Form 3160-3 (July 1992)

# UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPL.

(Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

	BURE	AU OF	LAND MANA	GEME	ENT			U-01190	
APPL	ICATION					EEPE	EN	6. IF INDIAN, ALLOTTEE C	R TRIBE NAME
In TYPE OF WORK	RILL X		DEEPEN					7. UNIT AGREEMENT NAM Natural Buttes	_
OIL WELL  2. NAME OF OPERATOR	GAS X	OTHER			SINGLE X	MULTIP ZONE	LE	8. FARM OR LEASE NAME NBU 268	, WELL NO.
Coastal Oil & Ga		n	IME (	CIE	INE!	7		9. API WELL NO.	
P.O. Box 749, Der	over, CO 802		111/1	re quireme	Tr. 1997	(303)	573-4455	10. FIELD AND POOL, OR V Natural Buttes	
At surface 838' FNL & 369' F At proposed prod. zone	FEL		1777		0 1997	$\mathcal{Y}_{\parallel}$		11. SEC., T., R., M., OR BLI AND SURVEY OR AREA	ζ.
			DIV. OF (	DIL. G	AS & MINI	NG		NENE Section 11	T10S-R21E
4. DISTANCE IN MILES AND								12. COUNTY OR PARISH Uintah	13. STATE
Approximately 20 15. DISTANCE FROM PROPOSILOCATION TO NEAREST	ED*	uneasu	Or Ouray, O		OF ACRES IN LEASE		17. NO. OF A	ACRES ASSIGNED	Utah
PROPERTY OR LEASE LIN (Also to nearest drig, unit	line if any) 369			1	20		<u> </u>	N/A	
<ol> <li>DISTANCE FROM PROPOSI TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS</li> </ol>	ED LOCATION* LING, COMPLETED, S LEASE, FT.	See Topo	Map C	1	POSED DEPTH		20. ROTARY Rot	OR CABLE TOOLS	
1. ELEVATIONS (Show whet	her DF,RT, GR, etc.	)					1	22. APPROX. DATE WOR	K WILL START*
Ungraded GR - 52	26.5'							Upon approv	al
3.		P	ROPOSED CASING	G AND C	EMENTING PROG	RAM			
Size of Hole See attached	GRADE, SIZE OF	CASING	WEIGHT PER FOX	отт	SETTING DE	РТН		QUANTITY OF CEM	ENT
Orilling Program									
productive, cas per State of Ut See the attached Coastal Oil & G responsible und	ing will be man requirement of Drilling Properties on the terms on wide #U6053	run and nts. rogram a con is con and con and con and con and are a constant to a const	the well considered to ditions of the state	omplet  oint S  be t  the 1  for 1  Utah	ed. If dry, urface Use & he operator ease for the ease activit #102103.	the work of the operaties is	tions Pl subject tions co being p	well. It agree nducted upon the rovided for by C	abandoned a s to be leased oastal
SIGNED SIGNED		sen	rey T		nvironmental	& Safe	ety Analy	/st DATE 9/29/9	97
(This space for Federal o	·	7001							
PERMIT NO.	3-047-3.				APPROVAL DATE				
Application approval does not		applicant hole				•		cant to conduct operations thereor	<b>.</b>
ADDROVED BY	L. R. L	Bura		A	ssociate Utah	Do	ector	1/29/9	18

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# COASTAL OIL & GAS CORP.

Well location, NBU #268, located as shown in the NE 1/4 NE 1/4 of Section 11, T10S, R21E, S.L.B.&M., Uintah County, Utah.

1977 Brass Cap S89'38'W - 40.33 (G.L.O.) S89'35'59"W 2661.11' (Meas.) Pile of Stones BASIS OF ELEVATION 1977 Brass Cap TWO WATER TRIANGULATION STATION LOCATED IN THE Steel Post Plle of Stones NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, NBU #268 UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL 6 MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT Elev. Ungraded Ground = 5227' OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET. 67.0 (G.L.O.) 81.22 1977 Brass Cap Pile of Stones N00-20'W SCALE (G.L.O.) CERTIFICATE .... THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM 40.68 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME TRUE AND CORRECT TO BEST OF MY KNOWLEDGE AND BELLET N00.21'W UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 S89'45'W - 80.70 (G.L.O.) (801) 789-1017 LEGEND: SCALE DATE SURVEYED: DATE DRAWN: = 90° SYMBOL 1" = 1000" 01-09-97 12-30-96 PARTY REFERENCES = PROPOSED WELL HEAD. J.F. D.A. D.R.B. G.L.O. PLAT = SECTION CORNERS LOCATED. WEATHER FILE COLD COASTAL OIL & GAS CORP.

T10S, R21E, S.L.B.&M.

# NBU 268 838' FNL & 369' FEL NE/NE, SECTION 11-T10S-R21E UINTAH COUNTY, UTAH LEASE NUMBER: U-01190

# ONSHORE ORDER NO. 1 COASTAL OIL & GAS CORPORATION

# **DRILLING PROGRAM**

# 1. Estimated Tops of Important Geologic Markers:

Formation	Depth
Duchesne River/Uinta	Surface
Green River	1,540'
Wasatch	4,640'
Total Depth	6,400'

# 2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth
Green River	1,540'
Wasatch	4,640'
N/A	
N/A	
	Green River Wasatch N/A

# 3. Pressure Control Equipment:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

# 4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

# 5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

# 6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

# 7. Abnormal Conditions:

Maximum anticipated bottomhole pressure approximately equals 2,560 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1,152 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

# 8. Anticipated Starting Dates & Notification of Operations:

Please see the Natural Buttes Unit SOP.

# 9. Variances:

Please see the Natural Buttes Unit SOP.

# 10. Other Information:

Please see the Natural Buttes Unit SOP.

# NBU 268 838' FNL & 369' FEL NE/NE, SECTION 11-T10S-R21E UINTAH COUNTY, UTAH LEASE NUMBER: U-01190

#### ONSHORE ORDER NO. 1

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBU 268 on 9/16/97 at approximately 11:00 a.m. Weather conditions were sunny and clear with moderate temperatures at the time of the onsite. In attendance at the inspection were the following individuals:

Sheila Bremer

Coastal Oil & Gas Corporation

Bill Rawlings

Coastal Oil & Gas Corporation

Byron Tolman

Bureau of Land Management Bureau of Land Management

Steve Strong Robert Kay

Uintah Engineering & Land Surveying

Harley Jackson

**Jackson Construction** 

Time Transition

Jackson Consul

Jim Justice

J-West

**Danny Iorg** 

John E. Faucett Construction

#### 1. Existing Roads:

The proposed well site is approximately 20.2 miles southeast of Ouray, Utah. Directions to the location from Ouray, Utah:

Proceed south from Ouray ±6.9 miles on the Seep Ridge Road to the junction of this road and an existing oil field service road to the east; turn left and proceed in an easterly direction  $\pm 5.0$  miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction  $\pm 0.3$  miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly direction  $\pm 3.9$  miles to the junction of this road and an existing road to the south; turn right and proceed in a southerly direction  $\pm 1.8$  miles to the junction of this road and an existing road to the southwest; turn right and proceed in a southwesterly direction  $\pm 1.5$  miles to the junction of this road and an existing road to the southeast; turn left and proceed in a southeasterly direction  $\pm 0.6$  miles to the junction of this road and an existing road to the east; turn left and proceed in an easterly then southeasterly then southwesterly direction  $\pm 1.0$  mile to the beginning of the proposed access road for the NBU 269 to the west; follow road flags in a westerly then southeasterly direction ±400' to the beginning of the proposed access road; follow the road flags in a southerly direction approximately 0.1 miles to the proposed location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

There will be no improvements made to existing access roads.

#### 2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Refer to Topo Map B for the location of the proposed access road.

# 3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

# 4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipeline.

### 5. Location and Type of Water Supply:

Please see the Natural Buttes Unit SOP.

#### 6. Source of Construction Materials:

Please see the Natural Buttes Unit SOP.

#### 7. Methods of Handling Waste Materials:

Please see the Natural Buttes Unit SOP.

#### 8. Ancillary Facilities:

Please see the Natural Buttes Unit SOP.

# 9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

As per the onsite discussions, a reserve pit liner will not be required unless the pit is blasted during construction.

#### 10. Plans for Reclamation of the Surface:

Please see the Natural Buttes Unit SOP.

The following seed mixture will be used to reclaim the surface. A total of 12 lbs./acre will be used if the seeds are drilled (24 lbs./acre if the seeds are broadcast). The per acre requirements for drilled seed are:

Needle & Thread	4 lbs.
Black Sage	3 lbs.
Shadscale	3 lbs.
Galleta	2 lbs.

# 11. Surface Ownership:

The well pad and access road are located on lands owned by:

United States of America Bureau of Land Management 170 South 500 East Vernal, Utah 84078 (801) 789-1362

The portion of the access road in Section 2-T10S-R21E is owned by the State of Utah. Per Dave Hackford and Barry Tripp with the State of Utah, it is not necessary for them to attend an onsite.

#### 12. Other Information:

A Class III archaeological survey was conducted by Metcalf Archaeological Consultants. A copy of this report was submitted directly to the appropriate agencies by Metcalf Archaeological Consultants. Cultural resource clearance was recommended for this location.

#### 13. Lessee's or Operators's Representative & Certification:

Sheila Bremer	Tom Young
Environmental & Safety Analyst	Drilling Manager
Coastal Oil & Gas Corporation	Coastal Oil & Gas Corporation
P.O. Box 749	9 Greenway Plaza, Suite 2770
Denver, CO 80201-0749	Houston, TX 77046
(303) 573-4455	(713) 418-4156

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

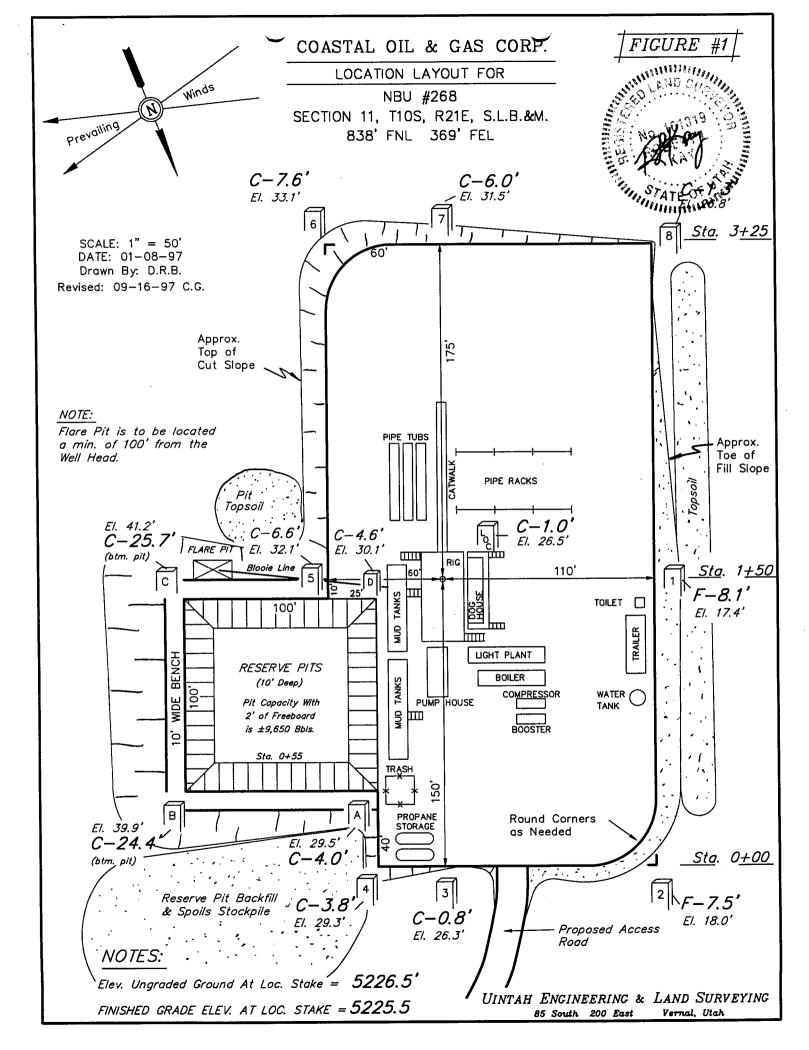
The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

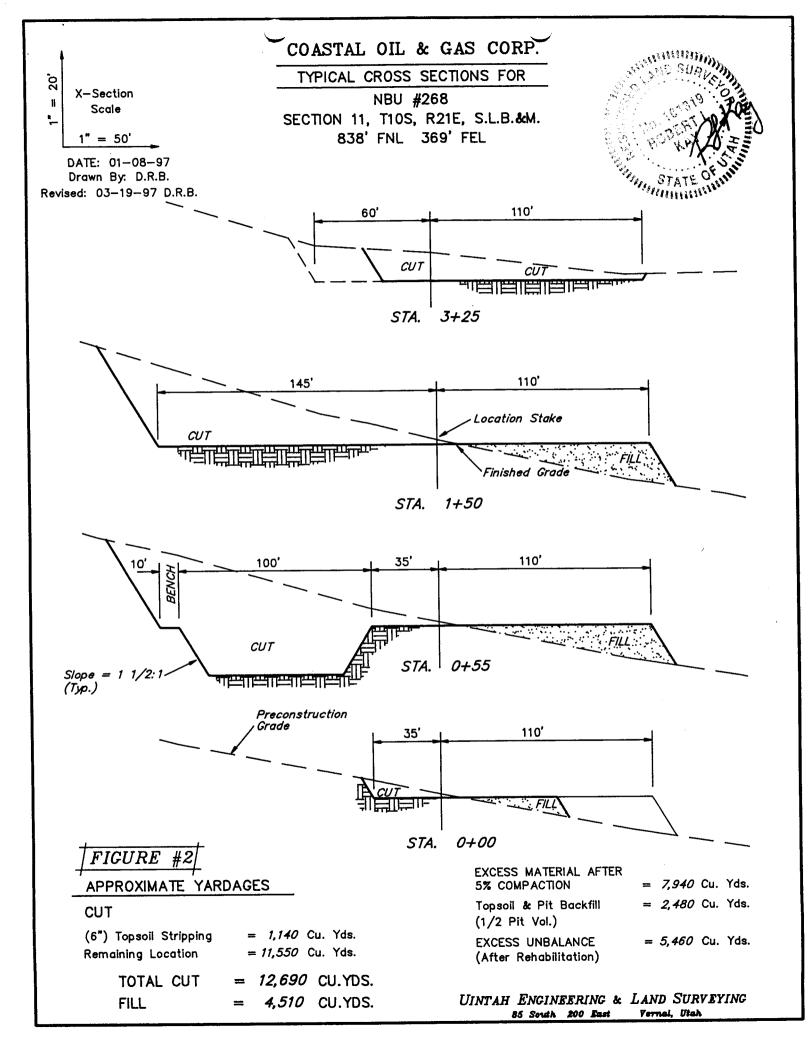
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made

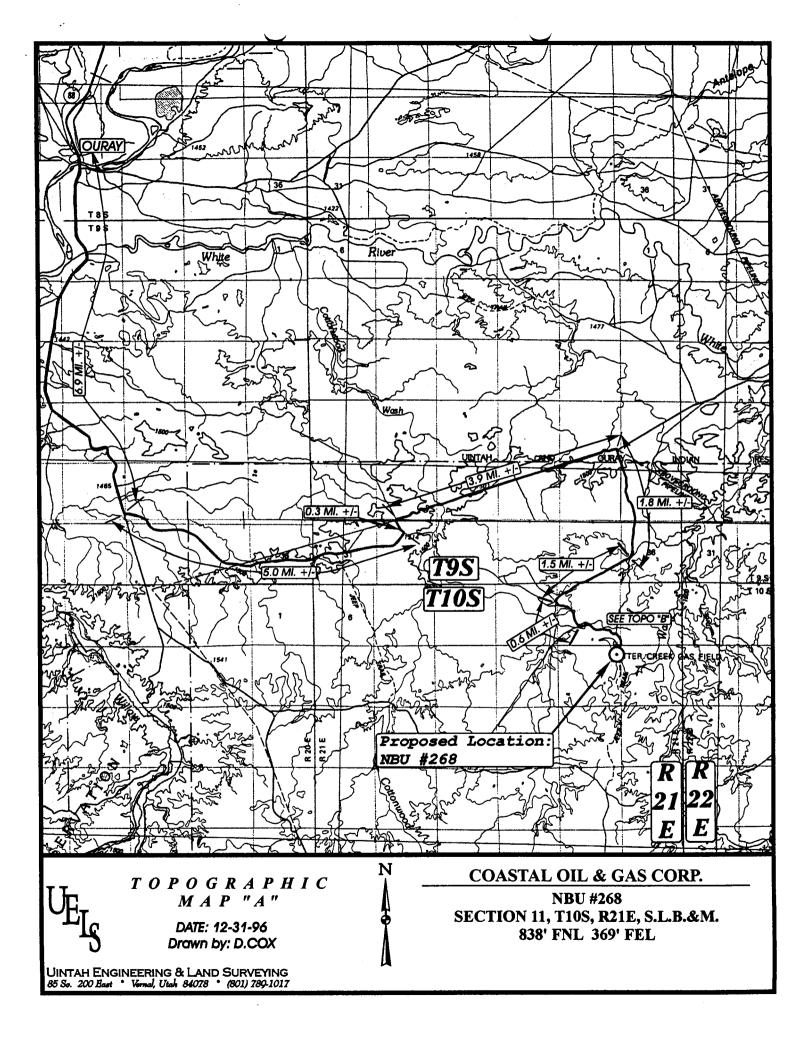
in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

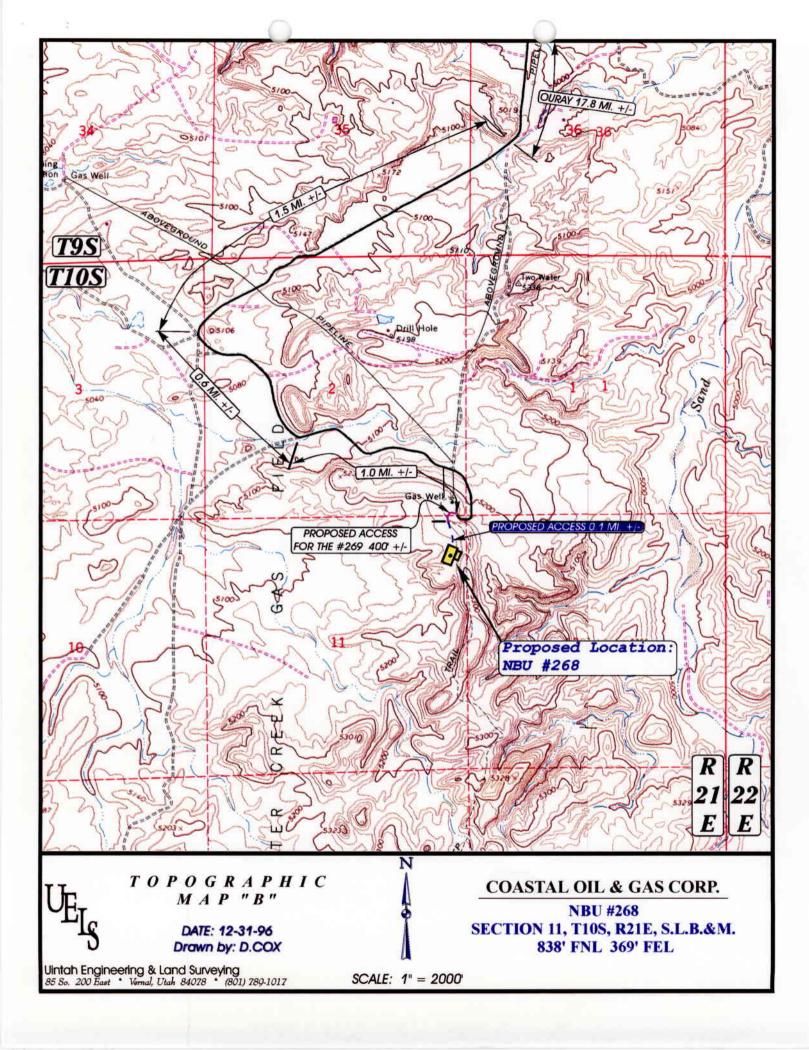
Sheila Bremer

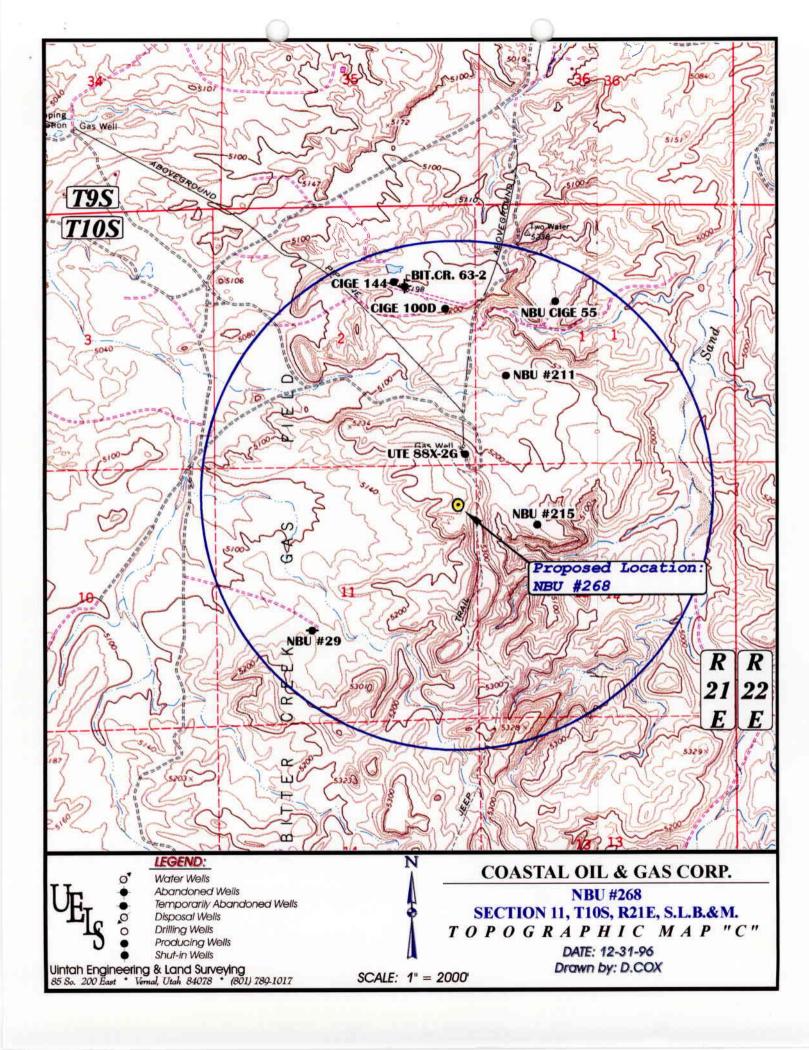
Date

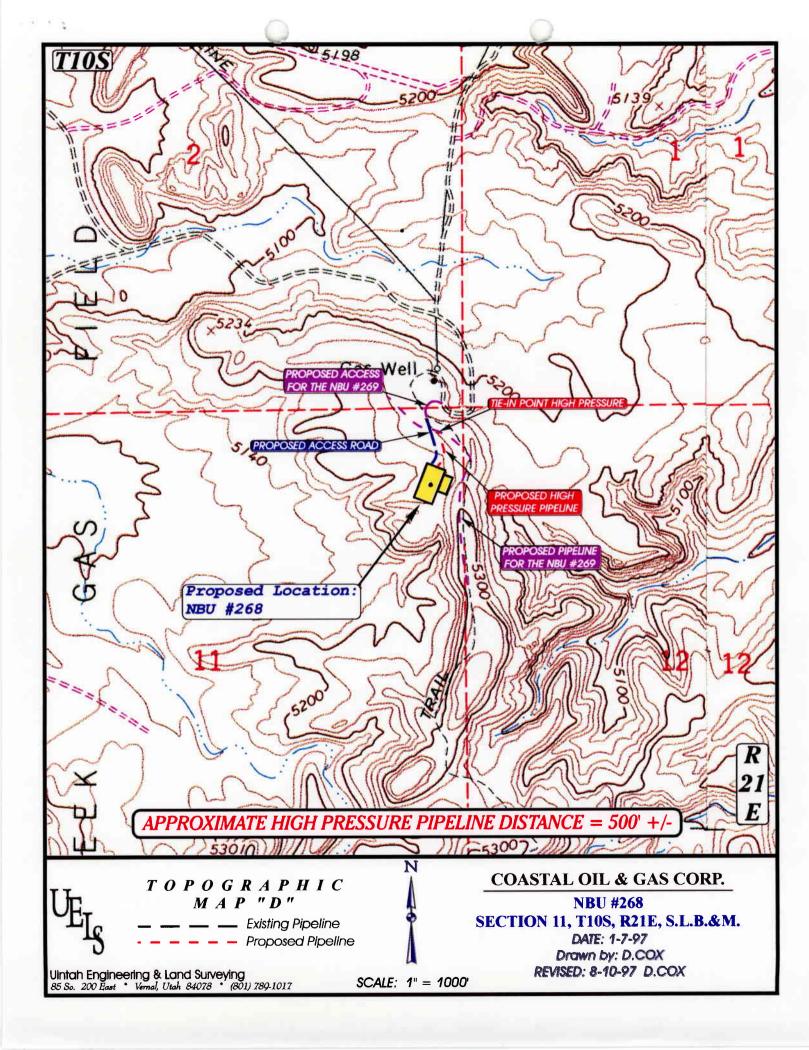












# WORKSHEET APPLICATION FOR PERMIT TO DRILL

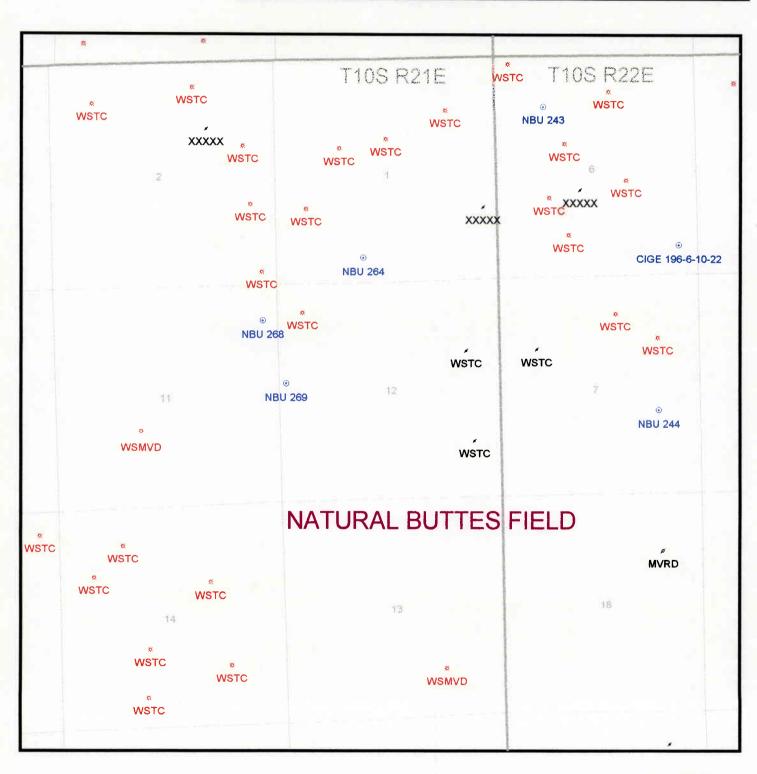
APD RECEIVED: 09/30/97	API NO. ASSIGNED: 43-047-33001
WELL NAME: NBU 268 OPERATOR: COASTAL OIL & GAS (N02	230)
PROPOSED LOCATION:	INSPECT LOCATION BY: / /
NENE 11 - T10S - R21E SURFACE: 0838-FNL-0369-FEL	TECH REVIEW Initials Date
BOTTOM: 0838-FNL-0369-FEL UINTAH COUNTY NATURAL BUTTES FIELD (630)	Engineering
LEASE TYPE: FED	Geology
LEASE NUMBER: U - 01190	Surface
PROPOSED PRODUCING FORMATION: WSTC	
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
Plat Bond: Federal [ State[] Fee[]	
(Number <u>//606328-9</u> )  W Potash (Y/N)	R649-3-2. General.
Y Oil shale (Y/N)	R649-3-3. Exception.
Water permit (Number 43-8496  N RDCC Review (Y/N)	Drilling Unit. Board Cause no:
(Date:)	Date:
COMMENTS:	
STIPULATIONS: 1. Di/ shule	- 4/2" casing

OPERATOR: COASTAL OIL & GAS (N0230)

FIELD: NATURAL BUTTES (630)

SEC. TWP, RNG:1,11,12, T10S, R21E

COUNTY: UINTAH UAC: R649-2-3 NATURAL BUTTES UNIT



Michael O. Leavitt Governor Ted Stewart Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

January 29, 1998

Coastal Oil & Gas P.O. Box 749 Denver, CO 80201-0749

Re: Natural Buttes Unit NBU 268, 838' FNL, 369' FEL, NE NE SEC. 11, T. 10 S., R.21 E., Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33001.

Since tery,

John R. Baza

Associate Director

ls

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

Operator:		Coastal Oil & Gas Corporation	-				
Well Name &	Number:	Natural Buttes NBU 268	_				
API Number:	43-047-33001						
Lease:		U-01190					
Location:	NE NE	Sec. 11 T. 10 S. R. 21 E.	_				

#### Conditions of Approval

- 1. General
  - Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.
- Notification Requirements
   Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

- 3. Reporting Requirements
  All required reports, forms and submittals shall be promptly
  filed with the Division, including but not limited to the
  Entity Action Form (Form 6), Report of Water Encountered
  During Drilling (Form 7), Weekly Progress Reports for
  drilling and completion operations, and Sundry Notices and
  Reports on Wells requesting approval of change of plans or
  other operational actions.
- 4. In accordance with the Order in Cause No. 190-5(b) DATED October 28, 1982, the operator shall comply with the requirements of Rule \$R649-3-31 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the 4½" casing is cemented over the entire oil shale section as defined by Rule R649-3-31.

Form 3160-3 July 1992)

# **UNITED STATES**

SUBMIT IN TRIPLIC. (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

**DEPARTMENT OF THE INTERIOR** 

5. LEASE DESIGNATION AND SERIAL NO. U-01190

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	CATION FOR	PERMIT TO	אט כ	ILL OR DEEPE	14	7. UNIT AGREEMENT NAM	
	LL X	DEEPEN				Natural Buttes	Jnit
TYPE OF WELL  IL  YELL  YELL	GAS X OTHER		S	INGLE X MULTIPL ZONE ZONE	E	8. FARM OR LEASE NAME, NBU 268	WELL NO.
ame of operator castal Oil & Gas		RECE	EIVE	ED .		9. API WELL NO.	
DDRESS AND TELEPHONE		SEP 3	0 100	79			
O. Box 749, Denv	ver, CO 80201-07	43	1	TO COLO IF TO I	73-4455	10. FIELD AND POOL, OR W Natural Buttes	
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8' FNL & 369' FI	EL		1147			11. SEC., T., R., M., OR BLI	ζ.
proposed prod. zone			$\prod $	JAN 26 1998		AND SURVEY OR AREA NENE Section 11	T10S-R21E
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pproximately 20	<u>.2 miles southeas</u>	st of Ouray, U	tah, v		HINING	Uintah	Utah
DISTANCE FROM PROPOSE LOCATION TO NEAREST			1	OF ACRES IN LEASE	17. NO. OF		
PROPERTY OR LEASE LINE Also to nearest drlg, unit	i, FT. line, if any) 369'		32			N/A	
DISTANCE FROM PROPOSE TO NEAREST WELL, DRILI	D LOCATION*		1	POSED DEPTH		Y OR CABLE TOOLS	
OR APPLIED FOR, ON THIS	LEASE, FT. See I	opo Map C	6,	400'	Rot	22. APPROX. DATE WOR	K WILL START*
ELEVATIONS (Show wheth						Upon approv	_
Jngraded GR - 52	26.5	. <u></u>	<del> </del>			т орон арргот	
		PROPOSED CASIN	G AND C	EMENTING PROGRAM	<u> </u>	OUANTITY OF CEA	CENT
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	OT	SETTING DEPTH		QUANTI Y GELES	
See attached							
<u>rilling Program</u>							
productive, cas per State of Ut See the attache Coastal Oil & G responsible und lands. Bond co bonds: BLM Nati	ing will be run and requirements.  In the definition of the components of the compon	am and Multi-p s considered t conditions of to 43 CFR 3104 9 and State of	ooint S o be 1 the 1 for 1 Utah	e data on present productive zo tical depths. Give blowout pre	ations P e subject ations co s being	Plan.  It well. It agreconducted upon the provided for by	es to be e leased Coastal
·	will Bu	med		heila Bremer <u>nvironmental &amp; Saf</u>	etv Ana	<u>lyst</u> <sub>DATE</sub> 9/29	/97
SIGNED 9	www. yx	y y	TITLE				TTACL
(This space for Federal	or State office use)	CC	ND	ITIONS OF	AP	PROVALA	
PERMIT NO.	and marrant or certify that the appli	icant holds legal or equitable	title to those	approval Date	ald entitle the a	pplicant to conduct operations the	reon.
Application approval does r CONDITIONS OF APPRO	and the second s	The state of odividition		-			
11	MM/M	0 1		Assistant Field Mana		Tea	A 4000
4.4.	1/1/ Chain	maria		Mineral Resources	3	JAN 2	0 1998

\*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes at a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. DOGA

- DATE -

COAs Page 1 of 3 Well No.: NBU 268

# CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: <u>Coastal Oil &amp; Gas Corporation</u>	
Well Name & Number: NBU 268	
API Number: <u>43-047-33001</u>	
Lease Number: <u>U-01190</u>	
Location: NENE Sec. 11 T.10S R. 21E	

COAs Page 2 of 3 Well No.: NBU 268

# CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

# A. DRILLING PROGRAM

# 1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone.

COAs Page 3 of 3 Well No.: NBU 268

# SURFACE USE PROGRAM Conditions of Approval (COAs)

- -The reserve pit topsoil should be piled separately as shown on the cut sheet.
- -The location topsoil pile should be seeded immediately after the soil is piled by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed. The seed mix is provided in the APD. All poundages are in Pure Live Seed.
- -Once the reserve pit is dry, it should be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.

Form 3160-5 (November 1994)

# JITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

1	Λ1	1	On	

6. If Indian, Allottee or Tribe Name

	4	N	/	Α	
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SUBMIT IN TRIPLICATE - Other instructions on reverse side  7. If Unit or CATE	Agreement, Name and/or I
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SUBMIT IN THIFEIGHTE					
I. Type of Well Oil X Gas Well Other	Natural Butt  8. Well Name and NBU				
2. Name of Operator				NDU	200
3a. Address	ode)	9. API Well No. 43-047-33001			
P.O. Box 749, Denver, CO 80201-074		(303) 573-4455		10. Field and Pool	, or Exploratory Area
<ol> <li>Location of Well (Footage, Sec., T., R., M., or Survey Descriptions)</li> <li>FNL &amp; 369 FEL</li> <li>NENE Section 11-T10S-R21E</li> </ol>	ption)		ا	Natural Butto	
THE SOCOTON 22 1200 NEEL				Uintah	Utah
12. CHECK APPROPRI	ATE BOX(ES) TO IN	DICATE NATURE OF NOT	FICE, REPORT, (	OR OTHER DATA	\
TYPE OF SUBMISSION		TYPI	E OF ACTION		
X Notice of Intent	Acidize	Deepen	Production (	(Start/Resume)	Water Shut-Off
Subsequent Report	Alter Casing  Casing Repair	Fracture Treat  New Construction	Reclamation Recomplete		Well Integrity Other <u>Extend APD</u>
Final Abandonment Notice	Change Plans Convert to Injecti	Plug and Abandon on Plug Back	Temporarily Water Dispo		
	I Converse injects	~			

13. Describe Proposed or Commpleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

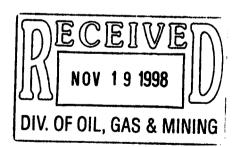
The APD for the referenced well was approved January 20, 1998. The operator requests that the APD be extended for an additional year so that drilling may be completed.

Approved by the Utah Division of Oil, Gas and Mining

Date: 11 23 98

which would entitle the applicant to conduct operations thereon.

COPY SENT TO OPERATOR Date: 11-23-18 Initials: CHD



14. I hereby certify that the foregoing is true the correct Name (Printed Typed)  Sheila Bremer  The Thereby certify that the foregoing is true the correct Typed)	Title	Environmental & Safety A	nalyst
	Date	11/17/98	
THIS SPACE FOR FEDER	AL OR	STATE OFFICE USE	
Approved by	Ti	itle	Date
Conditions of approval, if any, are attached. Approval of this notice does not warran		ffice	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH	
DIVISION OF OIL, GAS AND MINING	

<b>ENTITY ACTION</b>	FORM -	FORM 6
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	OPERATOR	Coastal	0i1	&	Gas	Corporation
--	----------	---------	-----	---	-----	-------------

ADDRESS	PΩ	R∩x	749

Denver, CO 80201-0749

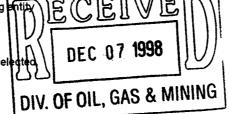
_	OPERATOR ACCT. NO.	N	D	230
	OPERATOR ACCT. NO	N	u	200

ACTION	CURRENT	NEW			WELL LOCATION S			SPUD DATE	EFFECTIVE		
CODE	ENTITY NO.	ENTITY NO.	API NUMBER	WELL NAME	QQ	sc	TP	RG	COUNTY	DATE	DATE
В	99999	02900	43-047-33001	NBU #268	NENE	11	105	21E	Uintah	11/20/98	11/20/98
WELL 1 C	WELL 1 COMMENTS: (Coastal) 981210 entity added; (NEXT BUHES U/WSMYD.) KDR										
WELL 2 C	OMMENTS:		•		, a -						
						Į.					
WELL 3 C	OMMENTS:										
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											
ACTION CO	CTION CODES (See instructions on back of form)  A - Establish new entity for new well (single well only)										

- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)



Signature Shella Bremer

Environ. & Safety Analyst

Title

Date

12/4/98

Phone No. <u>(303</u>)573-4455

Form 3160-5 (November 1994)

# TED STATES **BUREAU OF LAND MANAGEMENT**

SI INDBY	NOTICES	AND	REPORTS	ON	WELL	c
SUNDE	NOTICES	ANU	REPURIS	UN	WELL	. 3

	FORM APPROVED								
•	Budget Bureau No.	1004-0135							
	Expires July 31,	1996							

5	Lease	Serial	No
J.	Lease	SCITAL	NO.

П	-	n	1	1	a	n	
ш		u			7		

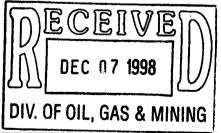
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					Allottee or Tribe Name
SUBMIT IN TRIPLICATE -	Other instructions	on reverse side		7. If Unit or 0	CA/Agreement, Name and/or No.
1. Type of Well Oil X Gas Well Other  2. Name of Operator  3a. Address P.O. Box 749, Denver, CO 80201-074  4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip 838' FNL & 369 FEL NENE Section 11-T10S-R21E	8. Well Name NBU  9. API Well N  43 - 047 - 330  10. Field and	No. 001 Pool, or Exploratory Area			
12. CHECK APPROPRI	ATE BOX(ES) TO IN	DICATE NATURE OF NO	TICE, REPORT	, OR OTHER DA	ATA
TYPE OF SUBMISSION		TYP	E OF ACTION		
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injecti	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Reclamation Recomple	ily Abandon	Water Shut-Off Well Integrity X Other Spud Notice
13. Describe Proposed or Coommpleted Operation (clearl If the proposal is to deepen directionally or recomplettant the Bond under which the work will be perfollowing completion of the involved operations. If testing has been completed. Final Abandonment Nodetermined that the final site is ready for final inspection	lete horizontally, give su formed or provide the E the operation results in otices shall be filed only	bsurface locations and measur- lond No. on file with BLM/B a multiple completion or recon- y after all requirements, inclu-	ed and true verti IA. Required su npletion in a ne ding reclamation	ical depths of all absequent reports w interval, a Fo , have been con	1 pertinent markers and zones, shall be filed within 30 days orm 3160-4 shall be filed once impleted, and the operator has

shoe; total 251.05.

11/25/98: Cmt w/Halliburton; pumped 20 bbls gel water ahead of 100 sx PAG w/2% CaCl2 & 1/4#/sx Flocele; wt 15.8; yield 1.18; drop plug & displace w/14.5 bbls cmt +/- 8 bbls; cmt to surface; hole stayed full.

Spud @ 9:30AM 11/20/98

Notified Ed Forsman - Blm



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Sheila Bremer	Title Environmental	& Safety Analyst
,	Date 12/4/98	
THIS SPACE FOR FEDERA	L OR STATE OFFICE US	E
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject leg which would entitle the applicant to conduct operations thereon.	or Office	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FORM APPROVED					
Budget Bureau No.	1004-0135				
Expires July 31,					

Form 3160-5 November 1994)		ED STATES OF THE INTER	IOR		-	Budget B	ıreau No. 100 July 31, 199	4-0135 6
IAOABIRIOSI 1224)	BUREAU OF LA	AND MANAGEM	ENT		Ì	5. Lease Serial		
	SUNDRY NOTICES A				,	U-01190		
	Do not use this form for pa	ronosals to drill or	to re-enter an			6. If Indian, All	ottee of Tribe I	iame
	abandoned well. Use Form	3160-3 (APD) for	such proposal	<b>s</b> .		N/A		
						7. If Unit or CA	VAgreement, N	ame and/or No.
	SUBMIT IN TRIPLICATE -	Other instructions	on reverse siu	<del></del>		Natural Bu	ttas Unit	
1. Type of Well						8. Well Name a		
Oil X	Gas Well Other					NBU		268
2. Name of Operator	of Oil + Gas Con	. 0				9. API Well No	).	
3a. Address	1 011 F Gas Cor		3b. Phone No. (a		e)	43-047-330	01	
P 0 Box 74	9, Denver, CO 80201-074	9	(303) 573-4	455		10. Field and F	ool, or Explora	tory Area
4. Location of Well (	Footage, Sec., T., R., M., or Survey Descrip	tion)				Natural Bu	<u>ttes Fiel</u>	<u>d</u>
838' FNL &	369 FEL					11. County or	Parish, State	
NENE Section	on 11-T10S-R21E					Uintah		<u>Utah</u>
	12. CHECK APPROPRI	ATE BOX(ES) TO I	NDICATE NATU	IRE OF NOTI	CE, REPORT	, OR OTHER DA	ATA	
****	PE OF SUBMISSION				OF ACTION			
	PE OF SUBMISSION		Deepen		Productio	n (Start/Resume)	Water S	Shut-Off
	Notice of Intent	Acidize	Fractur	- Treat	Reclamati	ion	Well Int	egrity
X	Subsequent Report	Alter Casing		onstruction	Recomple	ete	X Other	
	Subsequent respect	Casing Repair		d Abandon	= '	rily Abandon	First P	roduction
	Final Abandonment Notice	Change Plans			Water Di	sposal	, , , , , , , , ,	
		Convert to Inject						duration thereof.
Attach the left following contesting has determined t	oposed or Coommpleted Operation (clear sal is to deepen directionally or recommended to the work will be permitted to the completion of the involved operations. It been completed. Final Abandonment hat the final site is ready for final inspection production for the above	formed or provide the f the operation results i Notices shall be filed on.)	Bond No. on file n a multiple comp only after all requ	letion or recon	npletion in a r	acconduction 1.1	0160 4 -	-11 he filed once
	•					VECTION IV. OF CIL.	3 [ V ] 6 4 1939 GAS & I	VINING
	ify that the foregoing is true and correct		Title					
Name (Printe	ily that the folegoing is the state of the darker of the state of the	Breme	$\sqrt{\perp}$	Enviro	nmental &	Safety Ana	lyst	
Sne	ITA DI CINCI		Date	12/31/98	3			
	TI	HIS SPACE FOR F	EDERAL OR	STATE OF	FICE USE			
			Ti				Date	

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Office

Approved by

# UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICAT

OMB NO. 1004-0137

		Expires: r	CULUA	1 y 23, 1	,,,
5.	LEASE	DESIGNATION	AND	SERIAL	NO.

٠.	DEFIDE DEGLATION
	U-01190

	BUREA	U OF LAND	MANAGEME	NT			U-01190 IF INDIAN, ALL		DIRE NAME
WELLCO	MPLETION O	R RECOM	PLETION F	REPORT	AND LOG	1	N/A	OI IEE OR I	A SAME AND SAME
TYPE OF WELL:	OIL	GAS -		Other		7.	UNIT AGREEME	ENT NAME	
1112 01 11221	WELL	WELL X	DRY	Other			Natural E	Buttes (	Jnit
TYPE OF COMPLET	WORK DEEP-	PLUG BACK	DIFF. RESVR.	Other					
WELL X	OVER EN	BACK				8	FARM OR LEAS	SE NAME, W	ELL NO.
NAME OF OPERATOR	O Companion		[F	3 1 6	a W I a		NBU 268	3	
COASTAI OII &	Gas Corporation			) <u> </u>	F A A	<del>-</del>	API WELL NO.		
	18 Vernal, UT 840	78 (435) 78	1-7023	(1)					
LOCATION OF WELL	(Report location clearly a	nd in accordance	with any State requi	remants) * APR	8 1999	11471	FIELD AND PO		
At surface	NE/NE 8	38' FNL & 36	69' FEL	ш /""	0 1075		Natural I		
				<u> </u>			SEC., I., R., M. OR AREA	, OR BLOCK	AND SURVEY
At top prod. interval	reported below		10	IV. OF OIL	., GAS & N	AININGI			0.5045
At total depth			تا				Section		
		Ī	4. PERMIT NO.		DATE ISSUED		COUNTY OR P.		13. STATE
			13-047-33001		1/20/98		Uintah C		Utah V. CASINGHEAD
DATE SPUDDED	16. DATE T.D. REACHED	17. DATE CON	MPL. (Ready to prod.	·	EVATIONS (DF, RKB		,•	19. ELE	V. CASINOILAD
11/20/98	12/15/98	12/25			.5' Ungrade		ROTARY TOOL	S	CABLE TOOLS
TOTAL DEPTH, MD &		T.D., MD & TVD	22. IF MULTIPLE HOW MANY*	COMPL.,	DRILLED	uu	X	1	
8100'	8042'	DOTTON NAME (M	AND TVD\#						AS DIRECTIONAL
	(S), OF THIS COMPLETION-TO							1 -	urvey made Single Shot
Wasatch/Me	saverde: 4758'-5	666', 5995'-7	020', 7316'-75	579'					single Shot
								27. WAS W	ELL CORED
TYPE ELECTRIC AND								No	
HALS/LDT/C	NL/GR/CAL; CBL	JCCL/GR		(m					
		DEPTH SET	CASING RECORD	Keport all Siring		EMENT, CEMENT	TING RECORD		AMOUNT PULLED
CASING SIZE/GRADE	WEIGHT, LB./FT.	251'	(2)	1"	See att. m			98	
8-5/8"	24#	8099'	<u>_</u>	-7/8"	See att. m				
4-1/2"	11.6#	0099	•	-770					
					30.		TUBING	RECORD	
		LINER RECORD	SACKS CEMENT*	SCREEN (MD)	SIZE		DEPTH SET (M	D)	PACKER SET (MD)
SIZE	TOP (MD) B	OTTOM (MD)	SACRO CEMENT		2-3/8	,"	4721'		
				32.	ACID, SHOT	, FRACTURE	, CEMENT	SQUEEZE	, ETC.
PERFORATION RECORD	D (Interval, size and num 36, 7454, 7538, 7	559. <b>7579</b> 2	spf 14 holes		ERVAL (MD)		MOUNT AND K		
000, 7300, 740	46, 6200, 6149, 6	106 59952	spf. 14 holes	7316'-75	79'	See att.	morning	rpt12	2/23/98
020, <del>04</del> 00, <del>0</del> 24	02, 5314, 5457, 50	3662 snf 12	holes	5995'-702	20'	See att.	morning	rpt12	2/23/98
/58, 4866, 53t	JZ, 53 14, 5457, 50	500 Z 0pi, i.		4758'-56		See att.	morning	rpt12	2/23/98
				1100 00					
			Þ	RODUCTION					
* ATE FIRST PRODUCTION	PRODUCTION	N METHOD (Flowing,	gas lift, pumpings		ритр)		WELI	STATUS (F	roducing or shut-in
12/25/98	Flowin							oducing	
ATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OILBBL.	GASMCF		WATER-BBL.		GAS-OIL RATIO
12/31/98	24	19/64		0	444			OIL GRA	VITY-API (CORR.)
OW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GASM		WATER-BBL.		JID GION	
450#	830#		0	44	4	77	TEST WITNES	SED BY	
DISPOSITION OF GAS	(Sold, used for fuel, ven	ted, etc.)							
Sold									
LIST OF ATTACHMEN									
Morning Re	ports hat the foregoing and atta	ohad information	s complete and corr	ect as determined	from all availab	le records.			
6 I hereby certify t	hat the toregoing and atta	iciica miormation i	s complete and con		Cameron				
	\., ()/ \		TITLE 1	Environmen	tal Analyst		DA	TE	04/06/
SIGNED	my lemen	12							

FORMATION ONLIBRIS, ETC.	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38.	GEOLOGIC MARKERS	
		NAME	MEAS. DEPTH	TRUE VERT. DEPTH
		Wasatch	4622' (+616)	
		Mesaverde	7427' (-2189)	
				<u> </u>
				J
				,



WELL NAME: NBU #268

**NATURAL BUTTES** 

**COUNTY & STATE: UINTAH** 

AFE#:28261

<u>UT</u> API#: 43-047-33001 **DISTRICT:** 

**DRLG** 

LOCATION:

**CONTRACTOR:** COASTALDRIL

SPUD DATE:

WI%: DHC:

FIELD:

CWC:

AFE TOTAL:

PLAN DEPTH: **FORMATION:** 

**REPORT DATE: 11/25/98** 

MD: 255

TVD : 0

**DAYS:** 0

MW:

VISC:

CUM: DC: \$15,187

TC: \$15,187

DAILY: DC: \$15,187 CC: \$0

TC: \$15,187

CC: \$0

DAILY DETAILS: 11/20/98: MI BILL MARTIN DRLG AND DRILLED 255' 11" HOLE AND RAN 7 JTS 8-5/8" J-55 24# CSG WITH HOWCO SHOE TOTAL 251.05 11/25/98: CMT WITH HALLIBURTON; PUMPED 20 BLS GEL WATER AHEAD OF 100 SK PAG WITH 2% CACL2 AND 1/4# SK FLOCELE WT 15.8 YLD 1.18; DROP PLUG AND DISP WITH 14.5 BBLS CMT +/- 8 BBLS CMT TO SURF; HOLE STAYED FULL NOTIFIED ED FORSMAN ON BLM SPUD AT 0930 11/20/98

**REPORT DATE: 12/4/98** 

MD : 259

TVD : 0

DAYS:

MW:

VISC:

DAILY: DC: \$6,673

CC: \$0

TC: \$6,673

CUM: DC: \$21,860

CC: \$0 -

TC: \$21,860

DAILY DETAILS : MOVE RIG TEST BOP PU BHA

**DRLG SHOE AND CMT** 

WELL NAME : NBU #268

FIELD:

WI%:

DHC ·

**NATURAL BUTTES** 

COUNTY & STATE : UINTAH

AFE#: 28261

CWC:

API# 43-047-33001

UT **CONTRACTOR:** COASTALDRIL

PLAN DEPTH: FORMATION:

**DISTRICT:** 

LOCATION:

SPUD DATE:

12/4/98

**REPORT DATE: 12/5/98** 

MD: 1,700

TVD : 0

AFE TOTAL:

DAYS:

MW:

DRLG

VISC:

DAILY: DC \$12,755

CC: \$0

TC: \$12,755

CUM: DC \$34,614

CC \$0 TC \$34,614

DAILY DETAILS : DRLG TO 558'

SURVEY AT 515' DRLG 558-1034' SURVEY AT 9901 **BLM INSPECTION** DRLG 1034-1097' CHECK ANNULAR; TIGHTEN ROTATE HEAD DRLG 1097-1557'

AT 1513' DRLG 1557-1700'

**REPORT DATE: 12/6/98** 

MD: 2,958

TVD : 0

**DAYS: 2** 

MW: 8.4

VISC: 26

DAILY: DC \$18,002

CC: \$0

TC: \$18,002

CUM: DC \$52,616

CC

**\$**0

\$52,616

DAILY DETAILS: SWITCH TO AERATED WATER DRLG 1700-2049' SURVEY AT 2006' 1-1/2 DEGR DRLG 2049-SURVEY AT 2501' 1-1/2 DEGR DRLG 2545-2958' 2545'

**REPORT DATE: 12/7/98** 

DAILY: DC \$11,770

MD: 3,911 CC: \$0

TVD : 0

DAYS: 3

MW: 8.4

VISC : 26

TC: \$11,770

CUM: DC \$64,386

CC

\$64,386

DAILY DETAILS: DRLG 2958-3046' SURVEY AT 3002' 1-3/4 DEGR DRLG 3046-3542'

**SURVEY AT 3498' 2** 

DEGR DRLG 3542-3911'

**REPORT DATE: 12/8/98** 

MD: 4,807

TVD : º

DAYS: 4

DAILY: DC \$16,323

MW: 8.5

VISC: 27

CC: \$0

TC: \$16,323

CUM: DC \$80,708

CC \$0

TC

DRLG

DAILY DETAILS : DRLG 3911-4035' 4035' SURVEY AT 3991' 1-3/4 DEGR RIG SER; CHANGE ROTATE HEAD SURVEY AT 4486' 2 DEGR DRLG 4530-4807'

4035-4530

**REPORT DATE: 12/9/98** 

MD: 5,337

TVD : 0

**DAYS: 5** 

MW: 8.5

DAILY: DC \$61,823

**VISC: 27** 

CC: \$0

TC: \$61,823

CUM: DC \$142,532

5244-5262

CC \$0

DAILY DETAILS : DRLG 4807-4910'

TRIP FOR BIT #2; FUNCTION TEST BOPS

FILL PIPE; WASH AND REAM 55'

5276-5284

TO BOTTOM DRLG 4910-5088' SURVEY AT 5044' 1-3/4 DEGR MAINTENANCE DRLG 5114-5337' WASATCH AT 4610' DRLG E DRLG 5088-5119'.5 WASATCH AT 4610' DRLG BREAKS 4875 4717-4722 5060-5074 5180-5190

**REPORT DATE: 12/10/98** 

MD: 6,140 CC: \$0

TVD : 0

DAYS: 6

4746-4760

DAILY: DC \$12,766

DEGR

TC: \$12,766 CUM: DC \$155,297

SURVEY AT 5570' 1 DEGR DRLG 5614-6110'

MW: 8.5 CC \$0

VISC: 27 TC \$155,297

DAILY DETAILS: DRLG 5337-5614'

5828-5839'

DRLG 6110-6140' DRLG BREAKS

DAYS : 7

VISC: 27

**REPORT DATE: 12/11/98** DAILY: DC \$12,390

MD: 6,700 CC:\$0

TVD : 0 TC: \$12,390

CUM: DC \$167,687

5552-5570' 5632-5645'

MW: 8.5 CC

TC \$167,687

DAILY DETAILS: DRLG 6140-6607'

SURVEY AT 6563' 1-1/4 DEGR DRLG 6607-6780'

**DRLG BREAKS** 

SURVEY AT 6066' 1-3/4

5690-5711'



WELL NAME : NBU #268

FIELD: **NATURAL BUTTES**  **DISTRICT:** 

DRLG

well and a second of the second of the second of the second

**COUNTY & STATE: UINTAH** 

LOCATION:

**CONTRACTOR: COASTALDRIL** 

WI%:

AFE#: 28261

API# 43-047-33001

PLAN DEPTH:

SPUD DATE:

12/4/98

DHC:

CWC:

AFE TOTAL:

**FORMATION:** 

**REPORT DATE 12/12/98** 

MD: 7,199

TVD : 0

DAYS:8

MW: 8.5

VISC: 27

DAILY: DC \$15,364

CC: \$0

TC: \$15,364

CUM: DC \$183,050

CC \$0

DAILY DETAILS: DRLG 6780-6824'

TC \$183,050

**RIG MAINTENANCE** 7104-7199' DRLG BREAKS 6716-6728'

DRLG 6824-7104' 6936-6945'

SURVEY AT 7060' 1DEGR 6949-6957 6959-6970'

6976-6983'

7168-7176'

**REPORT DATE 12/13/98** 

MD: 7,635

TVD : 0

7569-7579

DAYS:9

MW: 8.5

**VISC: 27** 

DAILY: DC \$11,655

CC: \$0

TC: \$11,655

CUM: DC \$194,705

CC \$0

TC \$194,705

DAILY DETAILS: DRLG 7199-7594'

7176' 7516-7541'

SURVEY AT 7550' 1-1/2 DEGR DRLG 7594-7635'

DRLG BREAK

7168-

**REPORT DATE 12/14/98** 

MD: 8,031

TVD : 0

**DAYS: 10** 

MW: 8.5

VISC: 27

DAILY: DC \$11,748

CC: \$0

TC: \$11,748

CUM: DC \$206,453

CC \$0

TC \$206,453

DAILY DETAILS: DRLG 7635-7688'

**RIG MAINTENANCE** DRLG 7688-7761' RUBBER DRLG 7751-8031' DRLG BREAKS 7770-7775' RIG SER; CHANGE ROTATING HEAD

POOH TO LOG

7845-7860'

**REPORT DATE 12/15/98** 

MD: 8,100

TVD : Q

**DAYS**: 11

MW: 8.5

DAILY: DC \$12,771

VISC: 27

CC: \$0

TC: \$12,771

CUM: DC \$219,224

CC <u>\$0</u>

DAILY DETAILS: DRLG 8031-8100' **CIRCULATE & CONDITION MUD** SHORT TRIP WASH AND REAM 90' TO BOTTOM PUMP 10# BRINE AND GEL POOH TO LOG SLM 8114 TD 8100 NO CORR AND LOG; LOGS WENT TO 7085 GIH **WORK THROUGH BRIDGES** 

**REPORT DATE 12/16/98** 

MD: 8,100

TVD: 0

**DAYS**: 12

MW:

LD DRLG STRING AND BREAK KELLY

DAILY: DC \$87,369

CC: \$0

TC: \$87,369

VISC:

DAILY DETAILS: LOG; LOGS WENT TO 8092' GIH TO LD DP CSG WASH TO BOTTOM 132' CMT 4-1/2 CSG CMT LEQAD 380 SK 12PPG WITH G AND 6% D20 AND 2% D79 AND .75% D112 AND 2% D46 AND 5% D44 (BWOW) .2% B71 AND 2% D65; TAILED WITH 1800 SK 14.5 PPG 5050 POZ 2% D70 AND 10% D44 (BWOW) AND .5% B14 AND 2% D46

CUM: DC \$306,592

CC <u>\$0</u>

\$306,592 TC

**REPORT DATE 12/17/98** 

MD: 8,100

TVD : 0

**DAYS: 13** 

MW:

VISC:

DAILY: DC \$0 CC: \$74,355

TC: \$74,355

CUM: DC \$306,592 DAILY DETAILS: SET SLIPS AND CUT OFF AND CLEAN MUD TANKS **RDRT AND MOVE** 

CC \$74,355

\$380,947 TC



WELL NAME : NBU #268

FIELD:

**NATURAL BUTTES** 

DISTRICT:

DRLG

**COUNTY & STATE: UINTAH** 

LOCATION: UT

CONTRACTOR: COASTALDRIL

WI%: DHC:

AFE#: 28261

API# 43-047-33001

PLAN DEPTH:

SPUD DATE:

12/4/98

CWC:

AFE TOTAL:

FORMATION:

**REPORT DATE: 12/20/98** 

MD: 8,042

TVD : 0

DAYS: 14

MW:

VISC:

DAILY: DC \$0

CC: \$5,860

TC: \$5,860

CUM: DC \$306,592

CC \$80,215

TC \$386,807

DAILY DETAILS: ROAD RIG F/TRIBAL #35-51 TO NBU #268. MI & RU PU. ND WH & NU FRAC VALVE. PU 3 7/8 MILL & 4 1/2 CSG SCRAPER. TALLEY PU & RIH W/2 3/8 TBG. TAG PBTD @ 8042' RUPMP LINES & CIRC HOLE W/115 BBL 3% FILTER KCL. RD PMP LINES & DRAIN UP. POOH & LD 15 JTS 2 3/8 TBG. EOT @ 7577'. SWIFN UNTIL MONDAY MORNING. BBLS FLUID PMPD DAILY 115, BBLS FLUID REC

DAILY 105, BBLS LEFT TO REC DAILY 10

**REPORT DATE: 12/22/98** 

MD: 8,042

TVD : 0

**DAYS: 15** 

MW:

VISC:

DAILY: DC \$0

CC: \$17,004

TC: \$17,004

CUM: DC \$306,592

CC \$97,219

\$403,811

DAILY DETAILS: MI & RU DOWELL. SPOT 5 BBL 15% HCL ACROSS 7316-7579 TO BE PERF'D. POOH W/TBG. NOTE: LEFT 3 7/8 MILL ON BTM. RU SCHL. RIH W/CBL/CCL/GR TOOLS. NOT WORKING. GOT STAND BY TOOLS FROM TOWN. SAME THING REL SCHL. POOH, RD MOVE OFF CUTTERS. RIH W/CBL/CCL/GR. LOG 8041' UP TO 4100'. PULL UP LOG 2700-2200' W/POORCMT ABOVE 2520 & TOC @ 2265'. POOH. TEST CSG TO 4500 PSI. PMP 20 BBLS DWN 4 1/2 TO 8 5/8 ANN @ 4 1/2 BPM @ 100 PSI. PU 3 1/8 SELECT FIRE GUN 180\* PHASING CORR TO CNL/LDT. PERF MESAWASA @ 7316-7389-7436-7454-7538-7559-7579. ALL 2 SPF (14 HOLES). NO PRESS AFTER ANY SHOT.

**REPORT DATE: 12/23/98** 

MD: 8,042

TVD : 0

**DAYS: 16** 

MW:

VISC:

DAILY: DC \$0

CC: \$131,221

TC: \$131,221

CUM: DC \$306,592

CC \$228,440

TC \$535,032

DAILY DETAILS: MI & RU DOWELL F/FRAC. HELD SAFETY MEETING & PRESS TEST LINES 5500 PSI STAGE #1. BROKE @ 1927 PSI @ 3 BPM INJ RATE 2700 PSI @ 20 BPM. ISIP 1500 PSI. ALL PERFS OPEN. PMP 120,000# 20/40 SD & 21,0003 20/40 RESIN COATED SD. 20# GEL 20% PAD 2-6 PPA FLUSH W/16 BBLS 15% HCL ACID & 96 BBLS KCL. ISBP 2573 PSI. TOTAL LOAD 1015 BBLS MP 3882 PSI. MR 33 BPM AP 3058 PSI AR=27 BPM. RD DOWELL RU CUTTERS & RIH W/4 1/2 ARROW WL. SET RBP & SET @ 7054'. POOH W/SETTING TOOL. RIH W/3 3/8 GUN 2 SPF 180\* PHASING. PERF @ 7020-6406-6246-6149-6106 & 5995'. PRESS 0 PSI. FL SURF. POOHW /GUN. RD CUTTER & RD DOWELL START STAGE #2. BROKE @ 1076 PSI @ 3 BPM INJ RATE 2170 PSI @ 22.3 BPM ISIP 1035 PSI. ALL PERF OPOEN. PMP 105,000# 20/40 & 20,000# MORE RESIN COATED. SPOT 15 BBL 15% HCL ACROSS NEXT ZONE W/FLUSH. AVG PRESS 2176 PSI. MAX PRESS 2861 @ AVG RATE 24 BPM. MAX 31 BPM ISIP 1630 W/952 BBL CLEAN FLUID RIH W/RBP. SET @ 5704'. PU 3 3/8 GUN. R IH CORR TO CNL/LDT. PERF WASATCH @ 4758-4866-5302-5314-5457-5666'. ALL 2 SPF & 180\* PHASING. RD CUTTERS START STAGE #3. BROKE @ 1149 PSI. PMP 30 BBL. SD. DETERMINE ALL PERFS OPEN. RAMP 145,000# F/2 TO 6# W/THE LAST 20,000# RESIN COATED. MAX PRESS 3497, AVG 2850 AT 30.5 BPM. FLUSH W/73 BBL ISIP 1910 PSI, 5 MIN 1910 10 MIN WAS 1735, 15 MI 1550, 30 MIN 1200. 1087 BBLS CLEAN FLUID. 1.5 START FLOW BACK ON 18 CHOKE FCP 525 PSI. HAD REC 55 BBL SIFN. BBLS FLUID PMPD DAILY 3154, BBLS FLUID REC DAILY 55, BBLS LEFT TO REC DAILY 3099, CUM 3109.



**REPORT DATE: 12/24/98** 

MD: 8,042

TVD: 0

**DAYS: 17** 

MW:

VISC:

TC

DAILY: DC \$0

CC: \$11,487

TC: \$11,487

CUM: DC \$306,592

CC \$239,927

\$546,519

DAILY DETAILS: SICP 100 PSI. BLOW WELL DWN. ND FRAC VALVE & NU BOP'S. RU FLOOR & TBG EQUIP. PU RET TOOL & RIH W/TBG TO 4758'. RU PMP LINES & CIRC HOLE W/3% KCL. RIH W/TBG & TAG SD @ 5600'. RU & CO SD F/5600' TO 5704' & CIRC HOLE. LATCH ON RBP #2 & POOH W/TBG RBP & LD RBP. RIH W/TBG & RET TOOL. TAG SD @ 6227'. RU & CO SD F/6227' TO RBP #1 @ 7054'. CIRC CLEAN. REL PLUG. KILL TBG W/20 BBL 10# BRAIN. POOH. GOT ABOVE PERFS. BLOW WELL TO TANK. PULL ON OUT TO 1270'. KILL CSG W/15 BBL. PULL ON OUT. LD RBP. PU NC. RIH W /PROD STRING. RUNNING IN HOLE. START DAY #5. BBLD FLUID PMPD DAILY 420, BLS FLUID REC DAILY 675. BRI STEET TO REC -255. CLIM 2854 FLUID REC DAILY 675, BBLS LEFT TO REC -255, CUM 2854.

**REPORT DATE: 12/25/98** 

MD: 8,042

TVD : 0

**DAYS: 18** 

MW:

VISC:

DAILY: DC \$0

CC: \$25,328

TC: \$25,328

CUM: DC \$306,592

CC \$265,255 TC \$571,847

DAILY DETAILS: FIN RIH W/TBG TO 7760' & LD 6 JTS TBG. PU HANGER. LAND W/239 JTS 2 3/8 4.7 J55 TBG W/NC & SN. EOT 2 7568' & SN @ 7535'. RD FLOOR & TBG EQUIP. ND BOP &NU WH. FLOWING WELL TO TANK ON 32/64 CH. REC 150 BBL, FTP 50 PSI, SICP 0 PSI. WELL DEAD. RU & SWB. IFL SURF. MADE 2 RUNS. REC 18 BBLS WTR. WELL STARTED FLOWING. FLOWING WELL TO TANK ON SOCIAL STARTED FLOWING. 32/64 CH, FTP 50 PSI, SICP 75 PSI FLOWING WELL TO TANK ON 32/64 CH, FTP 50 PSI, SICP 210 PSI. REC 75 BBL WTR. RD & MO PU FLOWING WELL TO TANK ON 32/64 CH, FTP 100 PSI, SICP 300 PSI, REC 50 BBL WTR. TURN WELL OVER TO FLOW BACK CREW @ 3:00 PM. BBLS FLUID REC DAILY 293, BBLS LEFT TO REC DAILY -293, CUM 2561



April 6, 1999

Bureau of Land Management Vernal District Office 170 South 500 East Vernal, Utah 84078

ATTENTION: Ed Forsman/Wayne Bankert

Gentlemen:

Enclosed are the original and two copies of the Well Completion Report and Log, For the NBU #268 and the NBU #277.

If you have questions or need additional information, please do not hesitate to call me, (435) 781-7023.

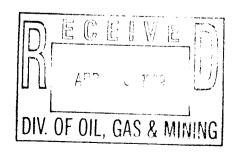
Sincerely,

Cheryl Cameron

**Environmental Analyst** 

cc w/ encl:

Vicky Dyson State of Utah Division of Oil Gas & Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114



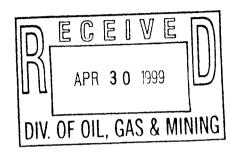
#### Schlumberger

#### Wireline & Testing

Schlumberger Well Services Western States Division 1735 East 1500 South Vernal, Utah 84078 (801) 789-3394

April 29, 1999

Carol Daniels State of Utah Dept. of Natural Resources 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801



Dear Ms. Daniels;

Re: NBU 268 -43-047-33001

Enclosed is an additional copy of the referenced well. My records show that the first copy was mailed to your office on January 4, 1999. If for some reason these prints are not the requested well, please let me know so I can correct the problem.

Sincerely,

Karen Hacking

Schlumberger Well Services

cc: Ms. Cheryl Cameron

Coastal Oil & Gas Corporation

FORM 3160-5

(June 1990)

# UNITED STATES DEPARTMENT THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budged Bureau No. 1004-0135

Expires March 31, 1993

DOTAL/10 OF LA WILL		
	ACRTO ON WELLS	5. Lease Designation and Serial No. U-01190
SUNDRY NOTICES AND REP	PORTS ON WELLS	
Do not use this form for proposals to drill or	deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
Use "APPLICATION FOR PER	RMIT -" for such proposals	N/A
		7. If unit or CA, Agreement Designation
SUBMIT IN T	RIPLICATE	Natural Buttes Unit
1. Type of Well		
Oil Well X Gas well Other		8. Well Name and No.
2. Name of Operator		NBU #268
Coastal Oil & Gas Corporation		9. API Well No.
3. Address and Telephone No.		43-047-33001
P.O. Box 1148 Vernal, UT 84078 (435) 781-	7023	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Natural Buttes
838' FNL & 369' FEL		11. County or Parish, State
NE/NE Sec. 11, T10S, R21E		Uintah County, Utah
OUTCK APPROPRIATE POY(s) TO	INDICATE NATURE OF NOTICE, REPOR	RT. OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACT	ION
	Abandonment	Change of Plans
X Notice of Intent	X Recompletion	New Construction
		Non-Routine Fracturing
Subsequent Report	Plugging Back	Water Shut-off
	Casing repair	
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other	Dispose Water (Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly state all per	inent details, and give pertinent dates, including estimated date of start rtical depths for all markers and zones pertinent to this work)	ing any proposed work. If well is directionly
drilled, give subsurface locations and measured and tide ve	,	
Coastal Oil & Gas Corporation requests aut	horization to refeac two Wasatch formation san	ids in the
NBU #268. The subject well was complete	d with three frac stages, including the Mesa Ve	rde formation.
Individual fracture treatments on the sands	at 6660' and 5418' are proposed. Two composi	te frac plugs
will be used to isolate each of the two sands		
Please refer to the attached workover proce	dure.	W ECEINE W
		MAY 1 9 1999
		DIV. OF OIL, GAS & MINING
		DIV. OF OIL, GAS & WITHING
14. I herapy certify that the foregoing is the and correct		
Signed Mule Olme Los	Title Environmental Analyst	5/7/99
Cheryl Cameron		
(This space of Federal or State office use.)		
	COPY SENT TO OPERATOR	Date
Approved by	- Title - Ale 5-21-11	
Conditions of approval, if any: Accepted by		
Title 18 U.S.C. Section 1001, makes it a crime for any person knowing	it to make to any department of the United States any laise, inclined s	r fraudulent statements or representations as
to any matter within its jurisdiction. Oil, Gas and	Mining	

#### **NBU # 268 – REFRAC PROCEDURE**

Section 11 – 10S – 21E Uintah County, UT April 21, 1999

**ELEVATION:** 

5226' GL

5239' KB

TOTAL DEPTH:

8100' PBTD: FC @ ± 8054'

CASING:

4 1/2", 11.6#, J-55 LT&C @ 8099' (0.0155 bpf, 64.5 fpb)

Burst 5350 psi

Collapse 4960 psi

TUBING:

EOT@ 4716.6' (Arrow RBP Ret. Tool, 1 jt, SN, 148 jts) EUE J-55,

4.6#/ft

TOOLS:

RBP'S @ 5718', 6163', 6294', 7042', AND 7595'.

PERFORATIONS:

Wasatch - Mesaverde: 2 Shots each @:

4758', 4866', 5302', 5314', 5457', 5666', 5995', 6106', 6149', 6200', 6246', 6406', 7020', 7316', 7389', 7436', 7454', 7538', 7559', 7579'.

#### TUBULAR PROPERTIES:

IUBULAK PROPER	BURST	COLLAPSE	DRIFT DIA.	CAPACITIES	
	(psi)	(psi)	(in.)	(bbl/ft)	(gal/ft)
2 3/8" 4.6# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
2 3/8" 4.6# N-80	11,200	11,780	1.901"	0.00387	0.1624
tbg 4 ½" 11.6# J-55	5,350	4,960	3.875"	0.0155	0.6528
csg 2 3/8" by 4 ½"				0.0101	0.4227
Annulus					

#### OBJECTIVE:

The objective is retrieve all RBP's, isolate the Mesaverde perforations below 7436' with a CIBP, perforate, isolate, and frac the Wasatch sands @ 5418' and 5660'.

- 1. Prepare for 24 hr operation with foam unit, workover rig, power swivel. MIRU workover rig and foam unit. Nipple down wellhead and Install BOPE. Pick up additional 2 3/8", J-55, EUE tubing and TIH. Retrieve RBP's @ 5718', 6163', 6294', 7042' and 7595'. Stand back 5400' of J-55 tubing laying down the remainder.
- Rig down foam unit. MIRU wireline w/ lubricator. Pickup CIBP and RIH on wireline to ± 7410' and set CIBP. Pickup perforating guns. RIH w/ 3-1/8" select fire guns w/ 12 gram charges and 0.38" EHD and 90 degree phasing. Add additional Perforations to the Wasatch as follows:

Wasatch Zones	SPF	Added # Perfs	Existing # Perfs
5418'-5429'	4	36	0
5660'-5672'	4	48	2

3. Pickup Halliburton composite 4 ½" frac plug. RIH on wireline and set @ 5675' (top of tool @ 5675'). RD wireline. Drop frac valve ball. Pick up packer. TIH on 2 3/8", N-80, EUE tubing to ± 5490'. MIRU Halliburton and spot 500 gallons of acid down tubing before setting packer pumping acid through rig pump. Set packer and load tubing with 2% KCl water. Breakdown perforations with a maximum pressure of 5000 psi @ 5 BPM while monitoring backside. Record ISIP.

4. Heat all frac fluid to 80 to 95 degrees F. MIRU Halliburton frac equipment. Install frac valve. Frac Wasatch (5660' - 5672') down tubing with 70,250 lbs 20/40 sand wedge and 605 bbls of 20# Delta Fluid/gel @ ± 10 -15 BPM rate (maximum surface treating pressure not to exceed 6,500 psi). Reduce pump rate to 2-5 BPM after 15 bbls of flush has been pumped. Note ISIP.

STAGE	GEL	CLEAN VOLUME (GAL)	CLEAN (BBLS)	CUM. VOLUME (BBLS)	POUNDS PROP	CUM. PROP	TYPE PROP
Pad	20# Delta	3,900	92.9	92.9		0	
1–3 ppg	20# Delta	6,000	142.9	235.7	6,000	6,000	20/40 sand wedge
3–4 ppg	20# Delta	3,000	71.4	307.1	10,500	16,500	20/40 sand wedge
4 – 5 ppg	20# Delta	7,500	178.6	485.7	33,750	50,250	20/40 sand wedge
5 ppg	20# Delta	4,000	95.2	581.0	20,000	70,250	20/40 sand wedge
Flush	20# Delta	1000	23.8	604.8			

- 5. Flow back well initially on a 12/64" choke recording total fluid, and gas rates/volumes and tubing pressures but do not flow back overnight. Shut-in overnight. Release packer and POOH.
- 6. MIRU wireline. Pickup Halliburton composite 4 ½" frac plug. RIH on wireline and set @ 5433' (top of tool @ 5433'. Note: Casing collar @ 5431'). RD wireline. Drop frac valve ball. Pick up packer. TIH on 2 3/8", N-80, EUE tubing to ± 5330'. MIRU Halliburton and spot 500 gallons of acid down tubing before setting packer pumping acid through rig pump. Set packer and load tubing with 2% KCl water. Breakdown perforations with a maximum pressure of 5000 psi @ 5 BPM while monitoring backside. Record ISIP.

7. Heat all frac fluid to 80 to 95 degrees F. MIRU Halliburton frac equipment. Install frac valve. Frac Wasatch (5418' - 5429') down tubing with 80,250 lbs 20/40 sand wedge and 608 bbls of 20# Delta Fluid/gel @ ± 10 -15 BPM rate (maximum surface treating pressure not to exceed 6,500 psi). Reduce pump rate to 2-5 BPM after 13 bbls of flush has been pumped. Note ISIP.

STAGE	GEL	CLEAN VOLUME (GAL)	CLEAN (BBLS)	CUM. VOLUME (BBLS)	POUNDS PROP	CUM. PROP	TYPE PROP
Pad	20# Delta	4,500	107.1	107.1			
1–3 ppg	20# Delta	3,500	83.3	190.5	7,000	7,000	20/40 sand wedge
3–4 ppg	20# Delta	3,500	83.3	273.8	12,250	19,250	20/40 sand wedge
4 – 5 ppg	20# Delta	9,000	214.3	488.1	40,500	59,750	20/40 sand wedge
5 ppg	20# Delta	4,100	97.6	585.7	20,500	80,250	20/40 sand wedge
Flush	20# Delta	923	22	607.7			

- 8. Flow back well initially on a 12/64" choke recording total fluid, and gas rates/volumes and tubing pressures but do not flow overnight. Shut-in well over night. Release packer and POOH laying down N-80 tubing and packer.
- 9. RIH with notched collar and 2 3/8" J-55 tubing. Land tubing  $\pm$  5400'. Swab well in and test. Consult w/ engineering.

Form 3160-5 (November 1994)

### U\_/ED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED				
Budget Bureau No.	1004-0135			
Expires July 31,	1996			

5. La	ase Se	rial No
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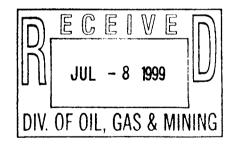
11	Λ1	100	

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					or Tribe Name
SUBMIT IN TRIPLICATE -	N//A 7. If Unit or CA/Age Natural Butte	reement, Name and/or No. S Unit			
1. Type of Well  Oil X Gas Well Other  2. Name of Operator  Cosatal Oil & Gas Corportation			·	8. Well Name and N NBU	#268
3a. Address P.O. Box 1148, Vernal UT 84078 4. Location of Well (Footage, Sec., T., R., M., or Survey Description NE/NE Sec. 11.T10S.R21E	ption)	3b. Phone No. (include area of (435) 781 - 7023	ode)	9. API Well No. 43-047-33001 10. Field and Pool, o	• •
838'FNL & 369'FEL	ATE BOX(ES) TO I	NDICATE NATURE OF NOT	FICE. REPORT	11. County or Parish Uintah County OR OTHER DATA	•
TYPE OF SUBMISSION			E OF ACTION	•	
X Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Inject	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Reclamation Recomple	te X	Water Shut-Off  Well Integrity  Other <u>Refrac</u>
13. Describe Proposed or Coommpleted Operation (clear If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. If	plete horizontally, give stronged or provide the	ubsurface locations and measur Bond No. on file with BLM/B	ed and true vert IA. Required s	ical depths of all perti ibsequent reports shall	nent markers and zones. be filed within 30 days

testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the final site is ready for final inspection.)

Coastal Oil & Gas Corporation requests authorization to Refrac the above referenced well.

Refer to attached procedure



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Cheryl Cameron	Environmental  Date 7/6/99	Analyst
THIS SPACE FOR FEDERA	AL OR STATE OFFICE USE	
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrar certify that the applicant holds legal or equitable title to those rights in the subject which would entitle the applicant to conduct operations thereon.	nt of Office lease	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowing fraudulent statements or representations as to any matter within its jurisdiction.

#### **NBU # 268 – REFRAC PROCEDURE**

Section 11 - 10S - 21E Uintah County, UT June 30, 1999

**ELEVATION:** 

5226' GL

5239' KB

TOTAL DEPTH:

8100'

PBTD: FC @ ± 8054'

CASING:

4 1/2", 11.6#, J-55 LT&C @ 8099' (0.0155 bpf, 64.5 fpb)

Burst 5350 psi

Collapse 4960 psi

TUBING:

EOT@ 4716.6' (Arrow RBP Ret. Tool, 1 jt, SN, 148 jts) EUE J-55,

4.6#/ft

TOOLS:

RBP'S @ 5718', 6163', 6294', 7042', AND 7595'.

PERFORATIONS:

Wasatch - Mesaverde: 2 Shots each @:

4758', 4866', 5302', 5314', 5457', 5666', 5995', 6106', 6149', 6200',

6246', 6406', 7020', 7316', 7389', 7436', 7454', 7538', 7559', 7579'.

#### TUBULAR PROPERTIES:

	BURST	COLLAPSE	DRIFT DIA.	CAPACITIES		
	(psi)	(psi)	(in.)	(bbl/ft)	(gal/ft)	
2 3/8" 4.6# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624	
2" 3.638# Coiled Tubing (1.624" ID)	18,470	13,620	1.624" (I.D)	0.002562	0.1076	
4 ½" 11.6# J-55 csg	5,350	4,960	3.875"	0.0155	0.6528	
2" Coil tbg by 4 ½" Annulus				0.01166	0.4896	
2 3/8" by 4 ½" Annulus				0.0101	0.4227	

#### **OBJECTIVE:**

The objective is retrieve all RBP's, isolate the Mesaverde perforations below 7436' with a CIBP, perforate, isolate, and frac the Wasatch sands @ 5418' and 5660'.

- Prepare for 24 hr operation with foam unit, workover rig, power swivel. MIRU workover rig and 1. foam unit. Nipple down wellhead and Install BOPE. Pick up additional 2 3/8", J-55, EUE tubing and TIH. Retrieve RBP's @ 5718', 6163', 6294', 7042' and 7595'. Stand back  $\pm$  7390' of J-55 tubing laying down the remainder.
- Rig down foam unit. MIRU wireline w/ lubricator. Pickup CIBP and RIH on wireline to  $\pm 7410$ ' 2. and set CIBP. Pickup perforating guns. RIH w/ 3-1/8" select fire guns w/ 12 gram charges and 0.38" EHD and 90 degree phasing. Add additional Perforations to the Wasatch as follows:

Wasatch Zones	<u>SPF</u>	Added # Perfs	Existing # Perfs
5418'-5429'	4	36	0
5660'-5672'	4	48	2

Rig down wireline. Load 2 400 bbl frac tanks w/ 4% KCl and heat to 90 to 95 degrees F (550 bbls 3. will be needed plus tank bottoms). MIRU Dowell Coil Tubing Frac Unit. The spacing for the intervals should be at least 15' for the cups on the frac tool.

- 4. RIH with frac tool on 2" coiled tubing to blank pipe below 5680' (blank pipe exists from 5672' to 5995'). Pressure test tool to 5,000 psi. Release pressure, pull tool up hole and straddle perforations at 5660' 5672'. Breakdown perforations using 4% KCl water. Note breakdown pressure, rate, and ISIP.
- 5. Frac Wasatch (5660' 5672') down tubing with 25,000 lbs 20/40 sand plus 4,000 lbs of resin coated sand and 288 bbls of .2# Clear Frac @ ± 10 -12 BPM rate (maximum surface treating pressure not to exceed 10,000 psi). Note ISIP.

STAGE	GEL	CLEAN VOLUME (GAL)	CLEAN (BBLS)	CUM. VOLUME (BBLS)	POUNDS PROP	CUM. PROP	TYPE PROP
Pad	.2# Clear- Frac	3,000	71.4	71.4		0	
2 ppg	.2# Clear- Frac	1,000	23.8	95.2	2,000	2,000	20/40 White Sand
3 ppg	.2# Clear- Frac	1,000	23.8	119.0	3,000	5,000	20/40 White Sand
4 ppg	.2# Clear- Frac	5,000	119.0	238.1	20,000	25,000	20/40 White Sand
4 ppg	.2# Clear- Frac	1,000	23.8	261.9	4,000	29,000	20/40 Resin Coat
Flush	.2# Clear- Frac	1076	25.6	287.5			

- 6. Pull tool up hole and straddle perforations from 5418'-5429'. Breakdown perforations using 4% KCl water. Note breakdown pressure, rate, and ISIP.
- 7. Frac Wasatch (5418' 5429') down tubing with 21,000 lbs 20/40 sand plus 4,000 lbs of resin coated sand and 252 bbls of .2# Clear Frac @ ± 10 -12 BPM rate (maximum surface treating pressure not to exceed 10,000 psi). Note ISIP.

STAGE	GEL	CLEAN VOLUME (GAL)	CLEAN (BBLS)	CUM. VOLUME (BBLS)	POUNDS PROP	CUM. PROP	TYPE PROP
Pad	.2# Clear- Frac	2,500	59.5	59.5		0	
2 ppg	.2# Clear- Frac	1,000	23.8	83.3	2,000	2,000	20/40 White Sand
3 ppg	.2# Clear- Frac	1,000	23.8	107.1	3,000	5,000	20/40 White Sand
4 ppg	.2# Clear- Frac	4,000	95.2	202.3	16,000	21,000	20/40 White Sand
4 ppg	.2# Clear- Frac	1,000	23.8	226.2	4,000	25,000	20/40 Resin Coat
Flush	.2# Clear- Frac	1076	25.6	251.8			

- 8. POOH with coiled tubing. RD Dowell and coiled tubing unit. Flow back well initially on a 12/64" choke recording total fluid, and gas rates/volumes and tubing pressures.
- 9. When well pressure dies down, RIH with notched collar and 2 3/8" J-55 tubing. Land tubing ± 7390'. Swab well in and test until well cleans up. Place well on production.

TWK Approvals:		
Prod. Manager A. C.	Tech Mgr	VP
7/1/99		

Form 3160-5 (November 1994)

# U DED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPRO	VED
Budget Bureau No.	1004-0135
Proires July 31	1006

5. Lease Serial No

•		•	•	•	~~	
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SUNDRY NOTICES	AND REPURIS V	JN WELLS		O OTIDO		
Do not use this form for particles abandoned well. Use Form				6. If Indian, A	llottee or Tri	be Name
SUBMIT IN TRIPLICATE -	Other instructions	on reverse side		7. If Unit or C Natural Bu	•	nt, Name and/or No
1. Type of Well Oil Well Well Other				8. Well Name	and No.	#268
2. Name of Operator Cosatal Oil & Gas Corportation				0 48111/11/11		
3a. Address		3b. Phone No. (include area	code)	9. API Well N 43-047-330		
P.O. Box 1148, Vernal UT 84078		(435)781-7023		10. Field and		loratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip	otion)			Natural Bu	ıttes	
NE/NE Sec.11,T10S,R21E						
838'FNL & 369'FEL				11. County or	•	
				Uintah Cou	<u>unty</u>	Ut.
12. CHECK APPROPRI	ATE BOX(ES) TO I	NDICATE NATURE OF NO	TICE, REPORT	, OR OTHER DA	ATA	
TYPE OF SUBMISSION		TYF	E OF ACTION			
Notice of Intent	Acidize	Deepen		n (Start/Resume)	=	or Shut-Off
X Subsequent Report	Alter Casing  Casing Repair	Fracture Treat  New Construction	Reclamation Recomple			Integrity r <u>Workover</u>
Final Abandonment Notice	Change Plans  Convert to Inject	Plug and Abandon	Temporar Water Dis	ily Abandon		
13. Describe Proposed or Coommpleted Operation (clear If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. If testing has been completed. Final Abandonment N determined that the final site is ready for final inspection.  Please see attached Chronological	olete horizontally, give is formed or provide the the operation results in otices shall be filed or 1.)	subsurface locations and measu Bond No. on file with BLM/ a multiple completion or re- culy after all requirements, inc	red and true vert BIA. Required st completion in a ne	ubsequent reports w interval, a Fo	shall be file orm 3160-4 s	narkers and zones. led within 30 days shall be filed once
				NOV 8	100 u	

,			
14. I hereby certify that the foregoing is true and correct Name (Printsal Typed) Katy Dow	Title Environment	al Secretary	
Total Dour	Date 11/2/99		
THIS SPACE FOR FEDERA	L OR STATE OFFICE (	JSE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject le which would entitle the applicant to conduct operations thereon.	or Office		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## THE COASTAL CORPORATION PRODUCTION REPORT

## **CHRONOLOGICAL HISTORY**

**NBU #268** 

NATURAL BUTTES UNIT UINTAH COUNTY, UTAH

AFE: 28261 WI: PBTD:

PERFS: 4758' -7579' (WASATCH & MES)

CSG: 4 1/2" 11.6# N-80

#### **Need Previous Records**

1/25/99

Schematic: (see well file)Note: 3 3/4" mill left in hole @8042'

01/26/99

MI & RU Colo Well Serv Rig # 26. Blow well down. NDWH NU BOP> POOH & lay down 36 jts (1140') 2 3/8" tbg land tbg @ 6428' w/NC on bottom & PSN 1 jt up @ 6395'/ NDBOP, NUWH. RD & MO CWS Rig # 26. Turned well back into sales line. CC:\$657,336

1/31/99

Drill & complete/well on prod.

RU Dowell to 8 5/8-4 1/2csg Annulus f/top dn job, pump 20 bbl LCM Pill. Lead w/65sx class (G) w/add wt 11.5 YD 3.18. Tail w/190 sx class (G) w/add WT 11.5 YD 3.16. Flush w/1bbl H2O ISIP-124 psi. MP-180psi @ 3.4 BPM AP-160 psi @ 2.5 BPM wash up & RD dowell. Open csg valve w/press.

CC:\$ 665,435

2/17/99

RD & MO PU on Tribal # 36-53 & Road Rig to NBU # 268. MI & RU PU SICP-420psi FTP-120psi. Blow well dn ND WH & NU BOPS PU & LD hanger & 54 jts 2 3/8 tbg PU hanger land w/149 jts 2 3/8 4.7 j-55 tbg. W/NC & SN EOT @ 4721' SN@4688' RD floor & tbg equip ND BOPS & NU WH. Put well to sales W/FTP-75psi & SICP-250psi. RD & MO PU. Schematic: (see well file) WAS & MES perf f/7316-7579, WAS perf f/5995-7020, WAS perf f/4758-5666. Left 3 3/4 mill on btm didn't POOH w/tbg used prev tbg detail.

CC:\$ 669,020

Page 1

03/16/99

<u>NBU 268</u> 250 MCF, 0 COND., 17 H20, 103 FTP, 358 SICP, 87 LP, 48/64 CK,

03/17/99PM

NBU 268 263 MCF, 0 COND., 11 H20, 72 FTP, 354 SICP, 70 LP, 48/64 CK,

03/18/99PM

NBU 268 252 MCF, 0 COND., 15 H2O, 58 FTP, 346 SICP, 57 LP, 48/64 CK

AFE# 0 3/23/99

MIRU. FTP=180# SICP=260# 48/64 CH. Blow well dn NDWH, NUBOP, RU 2 3/8" equip. EOT @ 4721', RIH Picking up 2 3/8" J-55 tbg. PU 96 jts tag sand @ 7729'. POOH w/96 jts 2 3/8" tbg. SWI, SDFD, EOT @ 4712'. CC:\$3,953

AFE # 28261

3/24/99

SICP=250# SITP=180# Blow well dn, EOT @ 4712' POOH w/149 jts 2 3/8" tbg (SLM=4705.29) 96 jts work string (SLM=3025.94') Total=7731.23' PMP 20 bbl. 2% KCL to kill well. PU & RIH w/ Arrow 4 1/2" RBP & 4 1/2" HD PKR. Set RBP @ 7595' & HD PKR @ 7291' RU swab equip. Swab test 7 zones, 14 holes, f/7316'-7579'. IFL @ 4300' made 1 run, (4300-6000') Rec. 4.5 bbl wtr. Made 2 runs, (4300'-6000') Rec. 10 bbl wtr, gas cut. Made 3 runs, (3800'-6000') Rec. 13.5 bbl wtr, gas cut. Made 3 runs, (4000-6000') Rec 9 bbl. Wtr, gas cut. Made 3 runs, (4500-7200') +45 SN Rec 9 bbl. Wtr, gas cut. Recovered 46 bbl gas cut wtr. SICP=400#. SWI, SDFD

3/25/99

SITP - 610#, SICP - 450#, FL - 5,797'. BLOW WELL DWN. SWAB TEST. (4 1/2" RBP @ 7,595', 4 1/2" PKR @ 7,291'.) SWAB ZONES @ 7,579', 7,559, 7,538', 7,454', 7,436', 7,389', 7,316'. SWABBED 24 RUNS, REC 54 BBLS GAS CUT H2O. FL - 1,800' TO 5,000'. SICP - 450# - 480#. BLOW CSG DWN. RLS 4 1/2" PKR @ 7,291'. PU & RIH W/9 JTS 2 3/8" J-55 TBG. TAG SAND @ 7,582'. LD 1 JT 2 3/8" TBG.SET PKR @ 7,546'. EOT - 7,555'. RU SWAB EQUIP. SWAB MESA VERDE ZONES @ 7,579', 7,559' (4 HOLES) MADE 5 RUNS TOTAL, REC 11 BBLS GAS CUT WATER. SICP - 80 - 300#. SWI, SDFD.

3/26/99

SICP - 500#, SITP - 20#, FL - 5,890'. NON REVENUE, SPLICE RIG SAND LINE. BLOW DWN CSG. RLS 4 1/2" HD PKR 2 7,546'. LD 1 JT 2 3/8" TBG. SET PKR @ 7,513'. RU SWAB EQUIP. SWAB TEST MESA VERDE ZONES, 6 HOLES, @ 7,579', 7,559', 7,538'. SWAB 7 HRS. 17 RUNS TOTAL FL - 4,300' - 5,900', PULLED F/7,483'. REC 39 BBLS GAS CUT H2O. SICP - 400# - 500#. LLTR: - 130 BBLS.

3/27/99

SICP - 500# SITP - 340#, SHOOT FL @ 4,347'. RIG REPAIR . RU SWAB & RIH. IFL - 4,300'. POOH & RD SWAB. RLS 4 1/2" HD PKR @ 7,513'. POOH W 2 3/8" TBG. LD PKR & KILL WELL W/20 BBLS 2% KCL. PU & RIH W/ 4 1/2" RBP RET TOOL, 4 1/2" HD PKR & 2 3/8" TBG. SET RBP @ 7,483'. LD 2 JTS. SET PKR @ 7,421'. EOT - 7,430'. SN @ 7,388'. SWIFN.

3/28/99

SICP - 500#, SITP - 100# SHOOT FL @ 4,756'. RU SWAB. IFL - 4,100'. MADE 10 SWAB RUNS, 4 HRS, REC 28 BLW. FFL - 5,200'. CSG - 500#. RIG REPAIR, CHANGE STARTER & FILTER. RLS PKR @ 7,421'. RIH, LATCH RBP @ 7,483' & RLS. LD 3 JTS TBG. SET

RPB @ 7,421'. LD 4 JTS TBG. SET PKR @ 7,295'. EOT - 7,305'. SN @ 7,260'. RU SWAB. IFL - 4,800'. SWAB 3 1/2 HRS. MADE 7 RUNS, REC 0 BBLS. RD SWAB. SWIFN. WELL SHUT IN.

3/29/99

3/30/99 SICP - 550#, FTP - 180#, FL - 4,694'. BLOW WELL DWN. RU SWAB EQUIP. FL - 5,600'. RD SWAB EQUIP. RLS 4 1/2" HD PKR @ 7,295'. PU & RIH W/4 JTS 2 3/8" TBG. LATCH RBP @ 7,421'. UNABLE TO RLS. PUMP 40 BBLS 2 % KCL DWN CSG. PUMP 30 BBLS 2 5 DWN TBG. RLS RBP @ 7,421'. POOH W/ 10 JTS 2 3/8" TBG. SET 4 1/2" RBP @ 7,042'. LD 1 JT TBG. SET 4 1/2" PKR @ 7,030'. FILL TBG W/ 12 BBLS 2% KCL. TEST TO 1,600# (HELD) RLS PKR. POOH W/ 35 JTS 2 3/8" TBG. SET PKR @ 5,970'. ISOLATE WASATCH PERFS - 5,995' - 7,020'. 7 ZONES, 14 HOLES, RU SWAB EQUIP. SWAB 3 HRS, 10 RUNS, REC 36 BLW. SICP - 500 - 525#. PULLED F/5,935'. SAND LINE PARTED. LEFT 250' SAND LINE & TOOLS IN TBG. BLOW WELL DWN. RLS 4 1/2" HD PKR. SET PKR @ 5,970'. POOH & LD PKR & SAND LINE TOOLS. RIH W/4 1/2" HD PKR. SET @ 5,970' SWI, SDFD. REC 52 BBLS TOTAL.

3/31/99 SICP - 450#, SITP - 40#. SHOOT FL @ 4,662'. RU SWAB. IFL - W,800'. SWAB 9 1/2 HRS. MADE 24 RUNS, REC 51 BBLS. SCATTERED GAS CUT FLUID. SICP - 510#. SWIFN & PREP TO MOVE PKR IN A.M.

4/1/99 PREP TO SWAB TEST PERFS 6,200' - 6,246' SICP - 600#, FL @ 4,650'. RLS PKR & RESET @ 6,975'. SWAB PERFS @ 7,020' (2 HOLES). IFL - 3,700'. SWAB DRY. RLS PKR. TAG SAND @ 7,037' (5' ABOVE RBP). RESET PKR @ 6,945'. ATTEMPT TO INJ INTO PERFS @ 7,020'. PRESS UP TO 3,500#. HELD 15 MIN. BLOW DWN. RLS PKR. SOH W/PKR.

7:00 A.M., SICP - 350#, SITP - 350#, FL ON CSG - 4,704'. EOT - 4,727'. RIH W/ ARROW 4 1/2" RBP & 4 1/2" HD PKR. SET RBP @ 6,294'. POOH W/4 JTS 2 3/8" TBG. SET 4 1/2" HD PKR @ 6,160'. RU SWAB EQUIP. SWAB TEST WASATCH ZONES @ 6,246' - 6,200' 4 HOLES.2 RUNS - FL - 3,900' PULL F/6,000' REC 9 BLW, SICP - 120#. HEAVY SAND .3 RUNS - FL - 3,200' PULL F/6,000' REC 14 BLW, SICP - 120#. HEAVY SAND. 3 RUNS - FL - 3,300' PULL F/6,125' (SN), REC 14 BLW, SICP - 120#, HEAVY SAND. REC 32 BLW W/ HEAVY SAND. BLOW DWN CSG. RLS 4 1/2" PKR @ 6,110'. RD SWAB EQUIP. RIH W/4 JTS 2 3/8" TBG. TAG SAND @ 6,287' - 5' ABOVE THE RBP @ 6,294' POOH W/ 4 1/2" PKR TO PU 4 1/2" RBP. TRIPPING @ PRES.

- 4/2/99 SWAB TESTING. SICP & SICP 350#, FL 4,704'. SET RBP @ 6,294'. SET PKR @ 6,160'. SWAB TEST PERFS 6,200' 6,246'. 2 ZONES, 4 HOLES. SWAB 3 HRS. IFL 3,900', FFL 3,300'. REC. 32 BLW. RLS PKR. TAG SAND @ 6,287'. (5' ABOVE RBP). POOH W/ PKR. RIH W/ RBP & PKR. SET RBP @ 6,163'. SET PKR @ 6,066'. SWAB PERFS 6,149' 6,106'. 2 ZONES, 4 HOLES. SWAB 3 HRS. IFL 3,000', FFL 2,500'. REC 29 BLW. RLS PKR. TAG SAND @ 6,155'. (8' ABOVE RBP). POOH W/PKR.
- 4/3/99 SWAB TESTING SICP & SITP 5003, KILL WELL W/10 BLW, RIH W/ RBP & PKR. SET RBP @ 6,033'. SET PKR @ 5,969'. SWAB PERF @ 5,995'. SWAB 3 HRS. IFL 2,800', FFL 5,300'. REC 16 BLW. RLS PKR. RLS RBP & RESET @ 5,718'. SET PKR @ 4,707'. SWAB TEST PERFS FROM 4,758' TO 5,666'.
- 4/4/99 SWAB TESTING PERF @ 5,666'. SICP 0#. SITP 540#. SWAB PERFS 4,758' 5,666'. SWAB 9 1/2 HRS. IFL 1,000', FFL 3,000' REC 48 BLW. TWO TRIPS FROM 3:30 TO 4:30 P.M. REC 5 BLW.

CWC: \$714,098

- 4/5/99 7:00 A.M. SICP 20#, SITP 20#, BLOW WELL DWN. SWAB TEST ZONE @ 4,758', 2 HOLES. 7 8 A.M. 3 RUNS FL 2,500' PULL F/4,674' (S.N.) REC 13 BLW 8 10 A.M. 4 RUNS FL 4,100' PULL F/ 4,674' (S.N.) REC 4 BLW 7 RUNS TOTAL, REC 17 BLW. WAITING 1/2 HR BETWEEN RUNS F/ FLUID ENTRY. 10:30 A.M. RD SWAB EQUIP. RLS 4 1/2" HD PKR @ 4,707'. RIH, LATCH & RLS RBP @ 4,803'. POOH & LD 2 3/8" TBG @ PRES.
- 4/6/99 SWAB TESTING
  SICP 0#, SITP 620#, FL 4,550'. RLS PKR @ 4,707'. RIH & SET PKR @ 5,530'. SWAB
  TEST ZONE @ 5,666' (2 HOLES). SWAB DRY. PRESS TST TO 3,500#. HELD 15 MIN.
  RLS PKR. RIH & TAG SAND @ 5,700', (18' ABOVE RBP). POOH W/PKR. RIH W/ RBP &
  PKR. SET RBP @ 4,893'. SET PKR @ 4,834'. SWAB TEST ZONE @ 4,866', (2 HOLES).
  SWAB DRY. BRK DWN PERFS @ 2,000#. INJ. 5 BBLS @ 2BPM. ISIP 1,300#. RLS
  PKR. RLS RBP & RESET @ 4,803'. SET PKR @ 4,703'. MADE 8 SWAB TRIPS. REC 11
  BW.
- 4/7/99 EVALUATE FUTURE WORKOVER. SICP 20#, SITP 20#, BLOW DWN. SWAB TEST 4,758' 2 HOLES. IFL 2,500', FFL 4,100'. MADE 7 SWAB TRIPS. REC 17 BW REC 1 BWPH. RLS 4 1/2" PKR. LATCH & RLS RBP @ 4,803'. POOH. RIH W/ RETR HEAD & LAND TBG @ 4,716'. RDMO CC:\$721,809

## AFE# PENDING

## AFE, ISOLATE MESA VERDE & COMPLETE WASATCH

7/29/99

ROAD RIG & EQUIP F/THE NBU # 222. SICP 250#, FTP 130#. MI RIG UP RIG & EQUIP. BLOW WELL DN. RU SWAB EQUIP. LAY DN PLUNGER & FISH PLUNGER SPRING @ 4681'. RD SWAB EQUIP. NDWH, NU BOP. RU 2 3/8" EQUIP. SDFD. TC: \$5,521

7/30/99

SICP - 350#, SITP - 300#, BLOW WELL DWN. PU & RIH W/2 3/8" TBG. TAG SAND @ 5,627'. RU AIR/FOAM UNIT & BREAK CIRC. CO SAND F/5,627' TO 5,718'. CIRC HOLE & LATCH RBP @ 5,718'. POOH TO STRING FLOAT. PUMP 15 BBLS 2% KCL DWN TBG. POOH W/2 3/8" TBG. EOT - 3,000'. PUMP 20 BBLS DWN TBG. POOH W/2 3/8" TBG. LD 4 1/2" RBP. BLOW WELL DWN.

7/31/99

SICP - 700#, SITP - 700#. BLOW WELL DWN. PUMP 10 BBLS DWN TBG. POOH W/2 3/8" TBG TO 1,200'. KILL WELL W/30 BBLS DWN CSG. POOH W/2 3/8" TBG & LD RBP #2. RIH W/RETR TOOL & 2 3/8" TBG. TAG SAND @ 6,282'. CIRC W/AIR-FOAM. CO SAND F/6,282' TO 6,294'. CIRC HOLE. PUMP 60 BBLS DWN TBG. LATCH RBP #3 @ 6,294'. LET PRESS EQUALIZE. POOH W/2 3/8" TBG TO 1,500'. PUMP 50 BBLS DWN CSG. POOH W/2 3/8" TBG TO 6,294'. PU & RIH W/2 3/8" TBG. TAG SAND @ 7,059'. CIRC W/AIR-FOAM. CO SAND F/7,059' TO 7,100'. CIRC HOLE & PUMP 60 BBLS DWN TBG. LATCH RBP @ 7,100'. LET EQUALIZE. PRESS IN OF 700#. POOH W/2 3/8" TBG. TO 6,742'. PUMP 20 BBLS DWN TBG. POOH W/2 3/8" TBG & RBP #4 ABOVE PERFS @ 4,390'. SDFN. (DAY 3)

8/1/99

SICP - 900#, SITP - 900#. BLOW WELL DWN. PUMP 15 BBLS DWN TBG. POOH W/2 3/8" TBG TO 1,270'. PUMP 60 BBLS DWN CSG. POOH W/TBG & LD RBP #4. PU RETR TOOL & RIH W/2 3/8" TBG. TAG SAND @ 7,561'. CIRC W/AIR-FOAM. CO SAND F/7,561' TO 7,595'. CIRC HOLE & LATCH RBP #5 @ 7,595'. POOH W/2 3/8" TBG TO 1,200'. PUMP 30 BBLS DWN CSG. POOH W/TBG & LD RBP #5 & RETR TOOL. PU 3 7/8" DRAG BIT, BS, & RIH W/2 3/8" TBG TO 5,713'. PUMP 20 BBLS DWN TBG. POOH & LD 75 JTS 2 3/8" TBG. EOT - 3,425'. SWIFWE. (DAY 4) TC:\$32,560

8/3/99

PERF. SICP - 900#, SITP - 900#. BLOW WELL DWN. PUMP 20 BBLS 2% KCL DWN TBG. EOT - 3,425'. RIH W/60 JTS 2 3/8" TBG. EOT - 5,303'. POOH & LD 169 JTS 2 3/8" TBG. RD DRLG HEAD, CHNG RAMS. MIRU CUTTERS & RIH TO SET 4 1/2" X 11.6# CIBP @ 7,410'. RIH & PERF W/3 3/8" GUNS, 26 GR CHARGE, 0.48" EHD, 90' PHASING, 4 SPF @ 5,660' - 5,670', 40 TOTAL HOLES. FL - 4,050', 0# PRESS & 5,418' - 5,429', 44 TOTAL HOLES. FL - 4,050', 0# PRESS. RIH W/3,875" OD GUAGE RING TO 7,410'. RD. SDFD. (DAY 5) TC:\$48,439

8/4/99

PREP TO FRAC. MIRU DOWELL COILED TBG UNIT.

(DAY 6)

TC:\$48,439

8/5/99

## PREP TO RIH W/CSG SCRAPER.

SICP - 800#, BLOW WELL DWN. TEST TO 5,500#. RIH W/FRAC CUP TOOLS. SET @ 55'. TEST FRAC TOOL RUBBER CUPS TO 3,200#, HELD. CONT RIH WHILE REV CIRC 4% KCL @ 1 BPM @ 350#. SET TOOLS @ 1,000'. TEST TOOLS TO 3,150#. CONT RIH REV CIRC .6 BPM W/561 SCF / MIN OF N2 @ 960#. TESTED TOOLS @ THE FOLLOWING DEPTHS 5,680', 5,677', 5,681', 5,679', 5,625' - NO TEST. SD. CT GUIDE ARM CHAIN BROKE. W.O. PARTS, 2 HRS. UNABLE TO SET TOOLS. @ 4,700'. BOLTS FELL OUT OF CT GUIDE ARM. POOH W/TOOLS. BTM RUBBER SEAT HALF GONE. TOP RUBBER O.K. REPLACE LEAKING BALL VALVE & NIPPLE ON WELL HEAD. RIH W/REDRESSED TEST TOOLS. SET @ 55'. TEST TO 2,300#. BLOW CSG DWN. REMOVE 5,000# BALL VALVE OFF TBG HEAD & INSTALL 2 1/16" X 5,000# TBG HEAD VALVE. RLS TOOLS. POOH & LD TEST TOOLS. PU 4 1/2" CSG SCRAPER W/4' - 2 3/8" TBG SUB ON BTM. SWI, SDFN @ 7:00 P.M. (DAY 7) TC:\$50,997

8/6/99

## **EVALUATE COIL TBG TOOLS.**

SICP - 450#, RIH W/4 1/2" CSG SCRAPER. REV CIRC 4 % KCL @ 4 BPM @ 400#. LOST CIRC @ 5,100'. STOP CIRC, RIH & TG CIBP @ 7,408' (COIL TBG MEAS). POOH W/SCRAPER, START REV CIRC @ 4,750' W/4% KCL @ 1/2 BPM @ 490#. LD SCRAPER. PU & RIH W/FRAC TOOLS. REV CIRC 3/4 BPM @ 300#. SD @ 4,700'. START TESTING FRAC TOOLS. (TOP CUP SETTING.) 4,700', 4,704', 4,708', 4,698', 4,702'. NO TEST. TEST 4,648', - 4,000#. TEST 4,638'- 4,000#. RIH W/FRAC TOOLS. START TESTING (TOP CUP SETTING.) 5,638' - NO TEST. 5,636' TEST 4,000#. 5,640', 5,672', 5,671', 5,636' - NO TEST. 5,621' TEST 4,000#. TEST BTM PERF INTERVAL F/5,670' TO 5,660' IN 2' SPACING. COULDN'T TELL IF PERF WAS BREAKING DOWN OR THE TOOLS WERE LEAKING. POOH W/TEST TOOLS. BOTTOM & TOP CUPS TORN.. COIL TBG BENT ON BOTTOM. SWI, SDFD. (DAY 8) TC:\$51,612

8/11/99

WOO SCHLUMBERGER MIRU, TAGGED 4 1/2" CIBP @ 7401' (9' HIGH) DOWELL RAN IN HOLE W/COIL TBG CIBP @ 7402' (8'HIGH) SICP 900#, HELD SAFETY MTG. RIH

W/DOWELL COIL TBG FRAC TOOLS PMP CSG, 16 BPM 4% KCL W/400 SCF/M N2. SD @ 4700', TOP CUP, TEST TOOLS 4500 PSI, OK. SD @ 5700', TOP CUP, 3 BPM, 1600 PSI, NO TEST. SD 5703', TOP CUP, 3 BPM, 3200 SPI NO TEST. SD @ 5709', TOP CUP, 3 BPM, 2700 PSI, NO TEST. SD @ 5707', TOP CUP, 3.5 BPM, 3180 PSI, NO TEST. SD @ 5623', TOP CUP, 3 BPM, 2750 PSI, NO TEST. SD @ 4700', TOP CUP, 3 BPM, 4250 PSI, NO TEST. POOH W/DOWELL COIL TBG FRAC TOOL'S. TOP & BTM RUBBER IS ALL TORE UP. RDMO DOWELL COIL TBG UNIT. SWI SDFD. (DAY 9) TC: \$53,162 CONT PU 2 3/8" TBG CALL OUT CREW. SICP 900#, BLOW WELL DN. RIG UP RIG.

8/12/99

NU DRILLING HEAD, RU 2 3/8" EQUIP. WAIT ON TBG F/J WEST. PMP 40 BBL 2% KCL DN CSG. STRAP & PICK UP 105 JTS 2 3/8" N-80 TBG. EOT @ 3330'. SWI, SDFD.

(DAY 10) TC: \$56,087

8/13/99

FRAC W/DOWELL @ 8:00AM 8/13/99 SICP 800#, SITP 800#, BLOW DWN, PMP 40 BBLS 2% KCL DWN TBG, PU & RIN W/ 2 3/8" N-80 TBG, W/EOT @ 5586', POOH W 2 3/8" TBG, SN & NC, RU CUTTERS WLS RIH & SET CBP @ 5720', POOH & RD WLS, RIH W/ 4 1/2" HD PKR & 2 3/8" TBG, SET PKR @ 5691' TST TO 5000# OK, RLS PKR & RESET @5530', FILL TBG W/8 BBLS 2% KCL, 3600# BRK @ 1 BPM, INJ RATE 3 BPM @ 2000# W/10 BBLS (DAY 11) TC: \$66,292 2% KCL, ISIP 800#, SWI, SDFD.

8/14/99

FLOW BCK AFTER FRAC SICP 450#, SITP 0#, RU DOWELL & FRAC WAS PERF'S W/20/40 SAND, 2# CLEAR FRAC & 20% NITROGEN, WAS PERF'S, 5660', 5670', 6000# BRK @ 8 BPM, ISIP 1150#, MP 6244#, AP 2806#, MR 8.3 BPM, AR 6.3 BPM, ISIP 2015#, TTL LOAD 237 BBLS, SAND 25440#, RESIN COAT 4200#, RD DOWELL, FLOW BACK. FLOW 5 1/2 HRS. TBG PRESS. 1800# TO 600#, CH 12/64 TO 14/64, 114 BBLS WTR. TRACE SAND. TURN OVER TO FLOW BACK CREW. TC: \$89,989 (DAY 12)

FLOW BACK REPORT - FLOW 15 HRS. 360# TO 590# CSG PRESS. 480# TO 40# TBG PRESS. CHOKE 14/64 TO 18/64. TOTAL WTR REC - 29 BBLS, TRACE TO CLEAN SAND.

8/15/99

WELL SHUT IN FOR BUILD UP SICP 590 # FTP 50#, REC 1 BBL BLOW WELL DN. ND FRAC VALVE. POOR NEW ROPE SOCKET & REFRAG LINE. RU & SWAB IFL-5300 TO 5498 SN MADE 1 RUN REC - 1 BBL WAIT 1 HR. SWAB IFL - 5300 TO 5498 SN MADE 1 RUN REC 1 - BBL WAIT 1 HR. SWAB IFL 5498 SN MADE 1 RUN REC 0 BBL. SDFD W/RIG CREW & LEAVE WELL FLOWING. FLOW WELL ON 18/64 CH SICP-700 PSI FTP-25 PSI. DRY GAS SHUT WELL IN FOR BUILD UP. FLOW & SWAB WELL F/11 HRS REC (DAY 3 BBL.

> 13)TC: \$91,768

8/17/99

FRAC WASATCH PERF'S 5418'-5429' SICP=800 PSI, SITP=1700 SPI. BLOW WELL DN. RU SWAC EQUIP. RIH, TAG FL @ 5300', PULL F/SN @ 5498' REC 1 BBL WTR. RD SWAB EQUIP. PMP 15 BBL 2% KCL DN TBG. RLS 4 1/2" HD PKR @ 5530'. POOH W/TOOL'S MIRU CUTTERS WLS RIH & SET 4 1/2" H-S CBP @ 5444'. RDMO RIH 4 1/2" HD PACKER SET PKR @ 5541'. TEST CBP 5000 PSI. OK RLS PKR, PUH & SET PKR @ 5379'. BRK DWN WASATCH PERF'S 5418'-5429'. BRK @ 1950 PSI 1 BPM. INJ 25 BBL 2% KCL 2 13 (DAY 14) TC: \$96.898 BPM @ 1200 PSI. ISIP=640 PSI. SWI, SDFD.

8/18/99

SAND FRAC. SICP - 200#. SITP - 0#. MIRU TO FRAC WASATCH PERFS F/5,418' TO 5,429', 44 HOLES. 4 1/2" CBP @ 5,444', 4 1/2" HD PKR @ 5,379'. FILL TBG W/ 5 BBBLS 2% KCL. PERFS BROKE @ 2,414#. PUMP 1,200 GALS 2% KCL. ISIP - 1,600#. PUMP 1,300 GALS 2% KCL W/12.4 MSCF N2 @ 2,250# @ 8 BPM. (6.5 WTR, 1.5 N2). PUMP 1,200 GALS HCL W/3,001# 20/40 J-SAND, 7.5 MSCF N2 @ 2,106# @ 8 BPM. PUMP 1,200 GALS HCL W/4,500# 20/40 J-SAND, 7.5 MSCF N2 @ 2,100# @ 8 BPM. PUMP 2,800 GALS 2% HCL W/14,000# 20/40 J-SAND, 17.4 MSCF N2 @ 2,100# @ 8 BPM. PUMP 800 GALS 2% HCL W/4,000# 20/40 CR-4000 PROPPANT , 5.0 MSCF N2 @ 2,160# @ 8 BPM. PUMP 21 BBLS 4% KCL TO FLUSH @ 2,600# @ 8 BPM. ISIP - 1,550#. TOTAL LOAD - 202 BBLS. SITP -1,350#. FLOW TO TANK ON 12/64 CK. SICP - 225# TO 200#, FTP - 1,025 TO 325#. FLOW 4 HRS, REC 110 BBLS, ALL FRAC FLUID. TURN OVER TO FLOW BACK CREW. SDFD. TC:\$123,728 (DAY 15)

FLOW BACK REPORT: CP - 260# TO 300#, TP - 320# TO 100#. 14/64 CK TO 22/64 CK. FLOWED 43 BBLS W/TRACE OF SAND. EST RATE - 110 MCFD. LLTR: 49 BBLS.

8/19/99

CO CBP'S. SICP - 400#, FTP - 100#, 16/64 CK. BLOW WELL DWN. PUMP 10 BBLS 2% KCL DWN TBG. RLS 4 1/2" HD PKR @ 5,379'. POOH & LD 169 JTS 2 3/8" N-80 TBG & HD PKR. PUMP 30 BBLS 2% KCL DWN CSG. PU 3 7/8" MILL TOOTH BIT, BIT SUB, 1 JT 2 3/8" TBG, +45 SN, & RIH PU 2 3/8" J-55 TBG. TAG SAND @ 5,248' W/ 172 JTS 2 3/8" TBG. LD 2 JTS. RU SWIVEL. SWI, SDFD. EOT - 5,350'.

(DAY 16) TC:\$127,795

8/20/99

SWAB SICP=850 PSI, SITP=750 PSI. RU WEATHERFORD AIR FOAM UNIT. EOT @ 5350'. BRK CIRC. PU 2 JTS TBG, TAG SAND @ 5428' C/O TO 5444' (16'). DRILL OUT 4 1/2" CBP @ 5444', CIRC BTM'S UP. 150# INCREASE RIH, TAG SAND @ 5700', C/O TO 5720'. (20') DRILL OUT CBP @ 5720'. CIRC BTM'S UP. 200 PSI INCREASE RIH W/51 JTS 2 3/8" J-55 TBG. TAG SAND @ 7383' C/O TO 4 1/2" CIBP @ 7410'. (27') CIRC WELL

CLEAN. PMP DN TBG W/30 BBL 2% KCL. RD SWIVEL. POOH W 3 7/8" SMITH MILL TOOTHBIT. RIH W/N-C, 1 JT 2 3/8" TBG, +45 SC, & 228 JTS, 2 3/8" J-55 TBG. EOT @ 7212.97', SN @ 7179.80'. LUBRICATE & LAND TBG. RD 2 3/8" TBG EQUIP, NDBOP, NUWH. PRESSURE UP ON CSG W/WEATHERFORD AIR FOAM UNIT. CSG=700#, TBG=0#. SWI, SDFD. BUILD PRESSURE. (DAY 17) TC: \$134,501

SCHEMATIC: MIRU POOH W/5 RBP'S, SET CIBP @ 7410, PERF WASATCH 5660-5670 10'z, 40 HLS, 5418-5429 11'z, 44HLS. RD RIG. MIRU DOWELL COIL TBG UNIT, TEST TOOLS FAILED. RDMO MIRU RIG. SAND FRAC STG #4 & #5 W/DOWELL. FLOW TEST. POP RDMO. [WASATCH & MESA VERDA PERFS: STG # 1 7316-7389-7436-7454-7538-7559-7579 7 ZONES. 14HLS. STG #2 5995-6106-6149-6200-6246-6406-7020 7 ZONES, 14 HLS. STG #3 4758-4866-5302-5314-5457-5666 6 ZONES, 12 HLS. STG #4 5660-5670 10' ZONES, 40 HLS. STG #5, 5418-5429 11' ZONES, 44 HLS.]

8/21/99

SWAB. SICP - 1,000#. SITP - 250#. BLOW DWN TBG. RU & SWAB. IFL- 3,600'. MADE 5 RUNS, REC 22 BBLS. ON RUN 6, PRESSURE BLEW TOOL UP HOLE & PARTED SAND LINE. RE-HEAD SAND LINE & RIH & TAG FISH @ 45'. RIH W/1 3/4" SPEAR. POOH. NO TOOLS. ND WH, NU BOP'S. RU FLOOR & TBG EQUIP. PU & LD HANGER. POOH W/2 3/8" TBG. RETR SWABBING TOOLS FROM SN. RIH W/2 3/8" TBG. PU HANGER & LAND W/229 JTS 2 3/8" TBG. EOT - 7,213'. SN @ 7,180'. RD FLOOR & TBG EQUIP. ND BOP'S, NU WH. SWIFN. (DAY 18) TC:\$137,875

8/22/99

SWAB. SICP - 1,000#, SITP - 250#. MIRU SWAB. IFL - 3,200'. MADE 10 RUNS, REC 32 BBLS. WELL STARTED FLOWING. FLOW WELL ON 20/64 CK. SICP - 800# TO 675#, FTP - 120# TO 450#. REC 20 BBLS. LEAVE WELL FLOWING TO TANK.

(DAY 19) TC:\$140,763

FLOW BACK REPORT - CP - 640# TO 560#. TP - 420# TO 360#. 20/64 CK. REC 69 BBLS. EST 500 MCFD. 421 BBLS OVER LOAD RECOVERED.

Form 3160-4 (July 1992)

### UNITE STATES

**BUREAU OF LAND MANAGEMENT** 

**SUBMIT IN DUPLICATE\*** 

FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO.

U-01190

WELL COMP	LETIO	N OR	RECOMP	LETIC	N REF	POR	T AND	L	_OG*		6. IF IN	IDIAN, A	LLOTTE	E OR TRIBE NAME
1a. TYPE OF WELL:		OIL WELI	GAS WELL		DRY (	Other—	Λ	_			7. UNI	TAGREE		AME S Unit
b. TYPE OF COMPLI	ETION: WORK OVER		DILIC -	DII ا	F.   (	Other_	Kep		4					
WELL ☐  2. NAME OF OPERATOR		J EN	BACK	→ RE	SVR. L.J. C				<i>T</i>			м оп le. <b>#268</b>	ASE NAN	ME, WELL NO.
Coastal Oil & C			on	R	EC	4	/EC	<b>)</b> _			Q ADI	WELL NO	<u> </u>	
3. ADDRESS AND TELL P.O. Box 1148,	Verna1	1 UT 8	34078				(	43	35) - 781	-7023	43-	047-33	3001	
4. LOCATION OF WELL	(Report le	ocation cle	early and in accord	ance with	an Aldre Z	equir <b>e</b>	000-							RWILDCAT s Field
At surface NENE					DIVIS	ION	OF							
At top prod. interval 838 FNL & 369 1		elow	;	OIL	, GAS A			3			AN	C., T., R., N DSURVE	Y OR AR	EA
At total depth				14. PER	MIT NO.		DAT	E IS	SUED		12. COI	. 11,T) JNTY OR		13. STATE
				43	-047-33	001	1	/20	0/98			risн ah Col	unty	Utah
15. DATE SPUDDED	i	T.D. REACI		COMPL.(R	eady to proc		18. ELE	V۸	TIONS (DF	RKB, RT, G			1	EV. CASINGHEAD
11/20/98	L	15/98	8/23		TE > 0.11 (770)	LE COM		26	5.5GR 23. INTE	DVALC	PO	TARY TO	018 .	CABLE TOOLS
20. TOTAL DEPTH, MD & 8100'	170	8042	BACK T.D., MD & TV	D   22	I. IF MULTIPI HOW MAN	Y*	IrL.,			LED BY	, KO	X		CAULE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*  25. WAS DIRECTIONAL SURVEY MADE														
Was-Mesa 7316'	- 7579';	Wasat	ch 5995'-70	20';Me	saverde	4758	3'-5666'						ļ	No
26. TYPE ELECTRIC AND	OTHER LO	GS RUN											27. WA	S WELL CORED
			01.0	DIC DEC	ODD /D		4.1		-11\			l		No
28. CASING SIZE/GRADE	WEI	GHT, LB./F	1		ORD (Repo	LE SIZE		1 70		CEMENT, C	EMENT	NG RECO	ORD	AMOUNT PULLED
5/8"	24# 251' 11" 100 sx PAG w/2% CaC12													
1/2"   11.6#   8099'   7.7/8"   380 sx Class G Tailed by														
1800 sx 50/50 POZ														
9. LINER RECORD 30. TUBING RECORD														
SIZE	TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PA					PACKER SET (MD)								
									2 3/	8	<u> </u>	428		<u>7595'</u>
I. 31. PERFORATION RECOI	RD(Interva	l, size and	number)	l		.32.	A	CI	D, SHOT,	FRACTU				
Refer to Item #37  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  Pofon to Item #37														
Refer to Item #37														
				,										
PRODUCTION  DATE FIRST PRODUCTION PRODUCTION METHODFlowing, gas lift, pumping - size and type of pump)  WELL STATUS (Producing or														
DATE FIRST PRODUCTION PRODUCTION METHODFlowing, gas lift, pumping - size and type of pump)  8/23/99  Flowing  WELL STATUS (Producing or shut-in) Producing						oducing								
DATE OF TEST 8/25/99	ноиля т <b>24</b>	ESTED	CHOKE SIZE 48/64	CHOKE SIZE PROD'N. FOR OIL - BBL. GAS - MCF. WATER - BBL. GA				GAS - OIL RATIO						
FLOW. TUBING PRESS.	CASING P 374#	RESSURE	CALCULATED 24-HOUR RATE	OIL -	BBL.		GAS-MCF. 245			WATER - E	BBL.		OIL GRA	AVITY - API (CORR.)
34. DISPOSITION OF GAS(	Sold, used	for fuel, v	ented, etc.)	<u>1 ~</u>					1		TEST W	TTNESSE		
Sold Used for 35. LIST OF ATTACHMEN														
Chronological	Well H		in formation in the	ata and	not as dat'	nad f	n all avaitable		orde				•	
36. I hereby certify that the	toregang at	to anached	information is comple		She	erla	Upchego	1		yst		DAT	E_1/	19/00
*(See Instructions and Spaces for Additional Data on Reverse Side)														

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			SITP - 6104, SICT - 4504, Rt 5,977. BLOW WELL DWN. SWAB TEST. (4 107 RDP @ 1.595, 4 107 PKB, @ 1.795). SWAB ZONE & 1.795, 5.304 PKB, 7.504, 5.106. 1.707. SWAB ZONE & 1.707, 5.304 PKB, 7.504, 5.106. 1.707. SWAB ZONE & 1.704 PKB, 5.107 PKB,	7. NOV. 6. 8. 7. 1975. 1. 1979 1. 5. 1. 1979 1. 5. 1. 1979 1.	Mesaverde	7427 ·	
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			SIGN - 4500, STRT - 460, SHOOT FL, Q-4647, NU SWAR, ITL. WARD, SWAR & MADE 2, NRW, SKET, 11884, SKATTERED OAS CUT FILD. SIGN - 1100, SWRW & FREE TO WAVE FIR NA AM.  FIRE TO SWAN TIST FIRES, 500 - 446 SIGN - 500, FL Q-4500, TLQ-4450, G-440, STRT - 81671, SWAR PRES Q, 1000 (1 NOLES), FILL1100, SWAR DNY, MAS TAKE AND SWAR DAY, MAS TAKE AND SWAR DNY, MAS TAKE AND SWAR T	Switter a constitution of the constitution of			
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## **CHRONOLOGICAL HISTORY**

NBU #268

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NATURAL BUTTES UNIT UINTAH COUNTY, UTAH

AFE: 28261 PBTD: WI:

PERFS: 4758' -7579' (WASATCH & MES)

CSG: 4 1/2" 11.6# N-80

#### Need Previous Records

Schematic: (see well file)Note: 3 3/4" mill left in hole @8042' 1/25/99

MI & RU Colo Well Serv Rig # 26. Blow well down. NDWH NU BOP> POOH & lay down 36 jts (1140') 2 3/8" tbg land tbg @ 6428' w/NC on bottom & PSN 1 jt up @ 6395'/ NDBOP, 01/26/99 CC:\$657,336

NUWH. RD & MO CWS Rig # 26. Turned well back into sales line.

Drill & complete/well on prod. 1/31/99

RU Dowell to 8 5/8-4 1/2csg Annulus f/top dn job, pump 20 bbl LCM Pill. Lead w/65sx class (G) w/add wt 11.5 YD 3.18. Tail w/190 sx class (G) w/add WT 11.5 YD 3.16. Flush w/1bbl H2O ISIP-124 psi. MP-180psi @ 3.4 BPM AP-160 psi @ 2.5 BPM wash up & RD dowell. Open csg CC:\$ 665,435 valve w/press.

RD & MO PU on Tribal # 36-53 & Road Rig to NBU # 268. MI & RU PU SICP-420psi 2/17/99 FTP-120psi. Blow well dn ND WH & NU BOPS PU & LD hanger & 54 jts 2 3/8 tbg PU hanger land w/149 jts 2 3/8 4.7 j-55 tbg. W/NC & SN EOT @ 4721' SN@4688' RD floor & tbg equip ND BOPS & NU WH. Put well to sales W/FTP-75psi & SICP-250psi. RD & MO PU. Schematic: (see well file) WAS & MES perf f/7316-7579, WAS perf f/5995-7020, WAS perf f/4758-5666. Left 3 3/4 mill on btm didn't POOH w/tbg used prev tbg detail.

CC:\$ 669,020

Page 1

0 COND., 17 H20, 103 FTP, 358 SICP, 87 **NBU 268** 250 MCF, 03/16/99

LP, 48/64 CK,

0 COND., 11 H20, 72 FTP, 354 SICP, 70 **NBU 268** 263 MCF, 03/17/99PM

LP, 48/64 CK,

57 **NBU 268** 252 MCF, 0 COND., 15 H2O, 58 FTP, 346 SICP, 03/18/99PM

LP, 48/64 CK

AFE#

MIRU. FTP=180# SICP=260# 48/64 CH. Blow well dn NDWH, NUBOP, RU 2 3/8" equip. 3/23/99 EOT @ 4721', RIH Picking up 2 3/8" J-55 tbg. PU 96 jts tag sand @ 7729'. POOH w/96 jts 2 CC:\$3,953

3/8" tbg. SWI, SDFD, EOT @ 4712'.

AFE # 28261 3/24/99

SICP=250# SITP=180# Blow well dn, EOT @ 4712' POOH w/149 jts 2 3/8" tbg (SLM=4705.29) 96 jts work string (SLM=3025.94') Total=7731.23' PMP 20 bbl. 2% KCL to kill well. PU & RIH w/ Arrow 4 1/2" RBP & 4 1/2" HD PKR. Set RBP @ 7595' & HD PKR @ 7291' RU swab equip. Swab test 7 zones, 14 holes, f/7316'-7579'. IFL @ 4300' made 1 run, (4300-6000') Rec. 4.5 bbl wtr. Made 2 runs, (4300'-6000') Rec. 10 bbl wtr, gas cut. Made 3 runs, (3800'-6000') Rec. 13.5 bbl wtr, gas cut. Made 3 runs, (4000-6000') Rec 9 bbl. Wtr, gas cut. Made 3 runs, (4500-7200') +45 SN Rec 9 bbl. Wtr, gas cut. Recovered 46 bbl gas cut wtr. SICP=400#. SWI, SDFD

SITP - 610#, SICP - 450#, FL - 5,797'. BLOW WELL DWN. SWAB TEST. (4 1/2" RBP @ 3/25/99 7,595', 4 1/2" PKR @ 7,291'.) SWAB ZONES @ 7,579', 7,559, 7,538', 7,454', 7,436', 7,389', 7,316'. SWABBED 24 RUNS, REC 54 BBLS GAS CUT H2O. FL - 1,800' TO 5,000'. SICP -450# - 480#. BLOW CSG DWN. RLS 4 1/2" PKR @ 7,291'. PU & RIH W/9 JTS 2 3/8" J-55 TBG. TAG SAND @ 7,582'. LD 1 JT 2 3/8" TBG.SET PKR @ 7,546'. EOT - 7,555'. RU SWAB EQUIP. SWAB MESA VERDE ZONES @ 7,579', 7,559' (4 HOLES) MADE 5 RUNS

TOTAL, REC 11 BBLS GAS CUT WATER. SICP - 80 - 300#. SWI, SDFD.

SICP - 500#, SITP - 20#, FL - 5,890'. NON REVENUE, SPLICE RIG SAND LINE. BLOW 3/26/99 DWN CSG. RLS 4 1/2" HD PKR 2 7,546'. LD 1 JT 2 3/8" TBG. SET PKR @ 7,513'. RU SWAB EQUIP. SWAB TEST MESA VERDE ZONES, 6 HOLES, @ 7,579', 7,559', 7,538'. SWAB 7 HRS. 17 RUNS TOTAL FL - 4,300' - 5,900', PULLED F/7,483'. REC 39 BBLS GAS

CUT H2O. SICP - 400# - 500#. LLTR: - 130 BBLS.

SICP - 500# SITP - 340#, SHOOT FL @ 4,347'. RIG REPAIR . RU SWAB & RIH. IFL - 4,300'. 3/27/99 POOH & RD SWAB. RLS 4 1/2" HD PKR @ 7,513'. POOH W 2 3/8" TBG. LD PKR & KILL WELL W/20 BBLS 2% KCL. PU & RIH W/ 4 1/2" RBP RET TOOL, 4 1/2" HD PKR & 2 3/8" TBG. SET RBP @ 7,483'. LD 2 JTS. SET PKR @ 7,421'. EOT - 7,430'. SN @ 7,388'.

SWIFN.

3/28/99 SICP - 500#, SITP - 100# SHOOT FL @ 4,756'. RU SWAB. IFL - 4,100'. MADE 10 SWAB RUNS, 4 HRS, REC 28 BLW. FFL - 5,200'. CSG - 500#. RIG REPAIR, CHANGE STARTER & FILTER. RLS PKR @ 7,421'. RIH, LATCH RBP @ 7,483' & RLS. LD 3 JTS TBG. SET RPB @ 7,421'. LD 4 JTS TBG. SET PKR @ 7,295'. EOT - 7,305'. SN @ 7,260'. RU SWAB.

IFL - 4,800'. SWAB 3 1/2 HRS. MADE 7 RUNS, REC 0 BBLS. RD SWAB. SWIFN.

3/29/99 WELL SHUT IN.

3/30/99 SICP - 550#, FTP - 180#, FL - 4,694'. BLOW WELL DWN. RU SWAB EQUIP. FL - 5,600'. RD SWAB EQUIP. RLS 4 1/2" HD PKR @ 7,295'. PU & RIH W/4 JTS 2 3/8" TBG. LATCH RBP @ 7,421'. UNABLE TO RLS. PUMP 40 BBLS 2 % KCL DWN CSG. PUMP 30 BBLS 2 5 DWN TBG. RLS RBP @ 7,421'. POOH W/ 10 JTS 2 3/8" TBG. SET 4 1/2" RBP @ 7,042'. LD 1 JT TBG. SET 4 1/2" PKR @ 7,030'. FILL TBG W/ 12 BBLS 2% KCL. TEST TO 1,600# (HELD) RLS PKR. POOH W/ 35 JTS 2 3/8" TBG. SET PKR @ 5,970'. ISOLATE WASATCH PERFS - 5,995' - 7,020'. 7 ZONES, 14 HOLES, RU SWAB EQUIP. SWAB 3 HRS, 10 RUNS, REC 36 BLW. SICP - 500 - 525#. PULLED F/5,935'. SAND LINE PARTED. LEFT 250' SAND LINE & TOOLS IN TBG. BLOW WELL DWN. RLS 4 1/2" HD PKR. SET PKR @ 5,970'. POOH & LD PKR & SAND LINE TOOLS. RIH W/4 1/2" HD PKR. SET @ 5,970' SWI, SDFD. REC 52 BBLS TOTAL.

3/31/99 SICP - 450#, SITP - 40#. SHOOT FL @ 4,662'. RU SWAB. IFL - W,800'. SWAB 9 1/2 HRS. MADE 24 RUNS, REC 51 BBLS. SCATTERED GAS CUT FLUID. SICP - 510#. SWIFN & PREP TO MOVE PKR IN A.M.

4/1/99 PREP TO SWAB TEST PERFS 6,200' - 6,246' SICP - 600#, FL @ 4,650'. RLS PKR & RESET @ 6,975'. SWAB PERFS @ 7,020' ( 2 HOLES). IFL - 3,700'. SWAB DRY. RLS PKR. TAG SAND @ 7,037' ( 5' ABOVE RBP). RESET PKR @ 6,945'. ATTEMPT TO INJ INTO PERFS @ 7,020'. PRESS UP TO 3,500#. HELD 15 MIN. BLOW DWN. RLS PKR. SOH W/ PKR. CC:\$318,450

7:00 A.M., SICP - 350#, SITP - 350#, FL ON CSG - 4,704'. EOT - 4,727'. RIH W/ ARROW 4 1/2" RBP & 4 1/2" HD PKR. SET RBP @ 6,294'. POOH W/4 JTS 2 3/8" TBG. SET 4 1/2" HD PKR @ 6,160'. RU SWAB EQUIP. SWAB TEST WASATCH ZONES @ 6,246' - 6,200' 4 HOLES.2 RUNS - FL - 3,900' PULL F/6,000' REC 9 BLW, SICP - 120#. HEAVY SAND .3 RUNS - FL - 3,200' PULL F/6,000' REC 14 BLW, SICP - 120#. HEAVY SAND. 3 RUNS - FL - 3,300' PULL F/6,125' (SN), REC 14 BLW, SICP - 120#, HEAVY SAND. REC 32 BLW W/ HEAVY SAND. BLOW DWN CSG. RLS 4 1/2" PKR @ 6,110'. RD SWAB EQUIP. RIH W/4 JTS 2 3/8" TBG. TAG SAND @ 6,287' - 5' ABOVE THE RBP @ 6,294' POOH W/ 4 1/2" PKR TO PU 4 1/2" RBP. TRIPPING @ PRES.

- 4/2/99 SWAB TESTING. SICP & SICP 350#, FL 4,704'. SET RBP @ 6,294'. SET PKR @ 6,160'. SWAB TEST PERFS 6,200' 6,246'. 2 ZONES, 4 HOLES. SWAB 3 HRS. IFL 3,900', FFL 3,300'. REC. 32 BLW. RLS PKR. TAG SAND @ 6,287'. (5' ABOVE RBP). POOH W/ PKR. RIH W/ RBP & PKR. SET RBP @ 6,163'. SET PKR @ 6,066'. SWAB PERFS 6,149' 6,106'. 2 ZONES, 4 HOLES. SWAB 3 HRS. IFL 3,000', FFL 2,500'. REC 29 BLW. RLS PKR. TAG SAND @ 6,155'. (8' ABOVE RBP). POOH W/PKR.
- 4/3/99 SWAB TESTING SICP & SITP 5003, KILL WELL W/10 BLW, RIH W/ RBP & PKR. SET RBP @ 6,033'. SET PKR @ 5,969'. SWAB PERF @ 5,995'. SWAB 3 HRS. IFL 2,800', FFL 5,300'. REC 16 BLW. RLS PKR. RLS RBP & RESET @ 5,718'. SET PKR @ 4,707'. SWAB TEST PERFS FROM 4,758' TO 5,666'.
- 4/4/99 SWAB TESTING PERF @ 5,666'. SICP 0#. SITP 540#. SWAB PERFS 4,758' 5,666'. SWAB 9 1/2 HRS. IFL 1,000', FFL 3,000' REC 48 BLW. TWO TRIPS FROM 3:30 TO 4:30 P.M. REC 5 BLW.

CWC: \$714,098

- 4/5/99 7:00 A.M. SICP 20#, SITP 20#, BLOW WELL DWN. SWAB TEST ZONE @ 4,758', 2 HOLES. 7 8 A.M. 3 RUNS FL 2,500' PULL F/4,674' (S.N.) REC 13 BLW 8 10 A.M. 4 RUNS FL 4,100' PULL F/4,674' (S.N.) REC 4 BLW 7 RUNS TOTAL, REC 17 BLW. WAITING 1/2 HR BETWEEN RUNS F/ FLUID ENTRY. 10:30 A.M. RD SWAB EQUIP. RLS 4 1/2" HD PKR @ 4,707'. RIH, LATCH & RLS RBP @ 4,803'. POOH & LD 2 3/8" TBG @ PRES.
- 4/6/99 SWAB TESTING
  SICP 0#, SITP 620#, FL 4,550'. RLS PKR @ 4,707'. RIH & SET PKR @ 5,530'. SWAB
  TEST ZONE @ 5,666' (2 HOLES). SWAB DRY. PRESS TST TO 3,500#. HELD 15 MIN.
  RLS PKR. RIH & TAG SAND @ 5,700', (18' ABOVE RBP). POOH W/PKR. RIH W/ RBP &
  PKR. SET RBP @ 4,893'. SET PKR @ 4,834'. SWAB TEST ZONE @ 4,866', (2 HOLES).
  SWAB DRY. BRK DWN PERFS @ 2,000#. INJ. 5 BBLS @ 2BPM. ISIP 1,300#. RLS
  PKR. RLS RBP & RESET @ 4,803'. SET PKR @ 4,703'. MADE 8 SWAB TRIPS. REC 11
  BW.
- 4/7/99 EVALUATE FUTURE WORKOVER. SICP 20#, SITP 20#, BLOW DWN. SWAB TEST 4,758' 2 HOLES. IFL 2,500', FFL 4,100'. MADE 7 SWAB TRIPS. REC 17 BW REC 1 BWPH. RLS 4 1/2" PKR. LATCH & RLS RBP @ 4,803'. POOH. RIH W/ RETR HEAD & LAND TBG @ 4,716'. RDMO CC:\$721,809

## AFE # PENDING

AFE, ISOLATE MESA VERDE & COMPLETE WASATCH

7/29/99 ROAD RIG & EQUIP F/THE NBU # 222. SICP 250#, FTP 130#. MI RIG UP RIG & EQUIP. BLOW WELL DN. RU SWAB EQUIP. LAY DN PLUNGER & FISH PLUNGER SPRING @

7/30/99

SICP - 350#, SITP - 300#, BLOW WELL DWN. PU & RIH W/2 3/8" TBG. TAG SAND @ 5,627'. RU AIR/FOAM UNIT & BREAK CIRC. CO SAND F/5,627' TO 5,718'. CIRC HOLE & LATCH RBP @ 5,718'. POOH TO STRING FLOAT. PUMP 15 BBLS 2% KCL DWN TBG. POOH W/2 3/8" TBG. EOT - 3,000'. PUMP 20 BBLS DWN TBG. POOH W/2 3/8" TBG. LD 4 1/2" RBP. BLOW WELL DWN.

7/31/99

SICP - 700#, SITP - 700#. BLOW WELL DWN. PUMP 10 BBLS DWN TBG. POOH W/2 3/8" TBG TO 1,200'. KILL WELL W/30 BBLS DWN CSG. POOH W/2 3/8" TBG & LD RBP #2. RIH W/RETR TOOL & 2 3/8" TBG. TAG SAND @ 6,282'. CIRC W/AIR-FOAM. CO SAND F/6,282' TO 6,294'. CIRC HOLE. PUMP 60 BBLS DWN TBG. LATCH RBP #3 @ 6,294'. LET PRESS EQUALIZE. POOH W/2 3/8" TBG TO 1,500'. PUMP 50 BBLS DWN CSG. POOH W/2 3/8" TBG TO 6,294'. PU & RIH W/2 3/8" TBG. TAG SAND @ 7,059'. CIRC W/AIR-FOAM. CO SAND F/7,059' TO 7,100'. CIRC HOLE & PUMP 60 BBLS DWN TBG. LATCH RBP @ 7,100'. LET EQUALIZE. PRESS IN OF 700#. POOH W/2 3/8" TBG. TO 6,742'. PUMP 20 BBLS DWN TBG. POOH W/2 3/8" TBG & RBP #4 ABOVE PERFS @ 4,390'. SDFN. (DAY 3)

8/1/99

SICP - 900#, SITP - 900#. BLOW WELL DWN. PUMP 15 BBLS DWN TBG. POOH W/2 3/8" TBG TO 1,270'. PUMP 60 BBLS DWN CSG. POOH W/TBG & LD RBP #4. PU RETR TOOL & RIH W/2 3/8" TBG. TAG SAND @ 7,561'. CIRC W/AIR-FOAM. CO SAND F/7,561' TO 7,595'. CIRC HOLE & LATCH RBP #5 @ 7,595'. POOH W/2 3/8" TBG TO 1,200'. PUMP 30 BBLS DWN CSG. POOH W/TBG & LD RBP #5 & RETR TOOL. PU 3 7/8" DRAG BIT, BS, & RIH W/2 3/8" TBG TO 5,713'. PUMP 20 BBLS DWN TBG. POOH & LD 75 JTS 2 3/8" TBG. EOT - 3,425'. SWIFWE. (DAY 4) TC:\$32,560

8/3/99

PERF. SICP - 900#, SITP - 900#. BLOW WELL DWN. PUMP 20 BBLS 2% KCL DWN TBG. EOT - 3,425'. RIH W/60 JTS 2 3/8" TBG. EOT - 5,303'. POOH & LD 169 JTS 2 3/8" TBG. RD DRLG HEAD, CHNG RAMS. MIRU CUTTERS & RIH TO SET 4 1/2" X 11.6# CIBP @ 7,410'. RIH & PERF W/3 3/8" GUNS, 26 GR CHARGE, 0.48" EHD, 90' PHASING, 4 SPF @ 5,660' - 5,670', 40 TOTAL HOLES. FL - 4,050', 0# PRESS & 5,418' - 5,429', 44 TOTAL HOLES. FL - 4,050', 0# PRESS. RIH W/3,875" OD GUAGE RING TO 7,410'. RD. SDFD. (DAY 5) TC:\$48,439

8/4/99

PREP TO FRAC. MIRU DOWELL COILED TBG UNIT.

(DAY 6) TC:\$48,439

8/5/99

### PREP TO RIH W/CSG SCRAPER.

SICP - 800#, BLOW WELL DWN. TEST TO 5,500#. RIH W/FRAC CUP TOOLS. SET @ 55'. TEST FRAC TOOL RUBBER CUPS TO 3,200#, HELD. CONT RIH WHILE REV CIRC 4% KCL @ 1 BPM @ 350#. SET TOOLS @ 1,000'. TEST TOOLS TO 3,150#. CONT RIH REV CIRC .6 BPM W/561 SCF / MIN OF N2 @ 960#. TESTED TOOLS @ THE FOLLOWING DEPTHS 5,680', 5,677', 5,681', 5,679', 5,625' - NO TEST. SD. CT GUIDE ARM CHAIN BROKE. W.O. PARTS, 2 HRS. UNABLE TO SET TOOLS. @ 4,700'. BOLTS FELL OUT OF CT GUIDE ARM. POOH W/TOOLS. BTM RUBBER SEAT HALF GONE. TOP RUBBER O.K. REPLACE LEAKING BALL VALVE & NIPPLE ON WELL HEAD. RIH W/REDRESSED TEST TOOLS. SET @ 55'. TEST TO 2,300#. BLOW CSG DWN. REMOVE 5,000# BALL VALVE OFF TBG HEAD & INSTALL 2 1/16" X 5,000# TBG HEAD VALVE. RLS TOOLS. POOH & LD TEST TOOLS. PU 4 1/2" CSG SCRAPER W/4' - 2 3/8" TBG SUB ON BTM. SWI, SDFN @ 7:00 P.M. (DAY 7) TC:\$50,997

8/6/99

## EVALUATE COIL TBG TOOLS.

SICP - 450#, RIH W/4 1/2" CSG SCRAPER. REV CIRC 4 % KCL @ 4 BPM @ 400#. LOST CIRC @ 5,100'. STOP CIRC, RIH & TG CIBP @ 7,408' (COIL TBG MEAS). POOH W/SCRAPER, START REV CIRC @ 4,750' W/4% KCL @ 1/2 BPM @ 490#. LD SCRAPER. PU & RIH W/FRAC TOOLS. REV CIRC 3/4 BPM @ 300#. SD @ 4,700'. START TESTING FRAC TOOLS. (TOP CUP SETTING.) 4,700', 4,704', 4,708', 4,698', 4,702'. NO TEST. TEST 4,648', - 4,000#. TEST 4,638'- 4,000#. RIH W/FRAC TOOLS. START TESTING (TOP CUP SETTING.) 5,638' - NO TEST. 5,636' TEST 4,000#. 5,640', 5,672', 5,671', 5,636' - NO TEST. 5,621' TEST 4,000#. TEST BTM PERF INTERVAL F/5,670' TO 5,660' IN 2' SPACING. COULDN'T TELL IF PERF WAS BREAKING DOWN OR THE TOOLS WERE LEAKING. POOH W/TEST TOOLS. BOTTOM & TOP CUPS TORN.. COIL TBG BENT ON BOTTOM. SWI, SDFD. (DAY 8) TC:\$51,612

8/11/99

WOO SCHLUMBERGER MIRU, TAGGED 4 1/2" CIBP @ 7401' (9' HIGH) DOWELL RAN IN HOLE W/COIL TBG CIBP @ 7402' (8'HIGH) SICP 900#, HELD SAFETY MTG. RIH W/DOWELL COIL TBG FRAC TOOLS PMP CSG, 16 BPM 4% KCL W/400 SCF/M N2. SD @ 4700', TOP CUP, TEST TOOLS 4500 PSI, OK. SD @ 5700', TOP CUP, 3 BPM, 1600 PSI, NO TEST. SD 5703', TOP CUP, 3 BPM, 3200 SPI NO TEST. SD @ 5709', TOP CUP, 3 BPM, 2700 PSI, NO TEST. SD @ 5707', TOP CUP, 3.5 BPM, 3180 PSI, NO TEST. SD @ 5623', TOP CUP, 3 BPM, 2750 PSI, NO TEST. SD @ 4700', TOP CUP, 3 BPM, 4250 PSI, NO TEST. POOH W/DOWELL COIL TBG FRAC TOOL'S. TOP & BTM RUBBER IS ALL TORE UP. RDMO DOWELL COIL TBG UNIT. SWI SDFD. (DAY 9) TC: \$ 53,162

8/12/99

CONT PU 2 3/8" TBG CALL OUT CREW. SICP 900#, BLOW WELL DN. RIG UP RIG. NU DRILLING HEAD, RU 2 3/8" EQUIP. WAIT ON TBG F/J WEST. PMP 40 BBL 2% KCL

DN CSG. STRAP & PICK UP 105 JTS 2 3/8" N-80 TBG. EOT @ 3330'. SWI, SDFD. (DAY 10) TC: \$56,087

8/13/99

FRAC W/DOWELL @ 8:00AM 8/13/99 SICP 800#, SITP 800#, BLOW DWN, PMP 40 BBLS 2% KCL DWN TBG, PU & RIN W/ 2 3/8" N-80 TBG, W/EOT @ 5586', POOH W 2 3/8" TBG, SN & NC, RU CUTTERS WLS RIH & SET CBP @ 5720', POOH & RD WLS, RIH W/ 4 1/2" HD PKR & 2 3/8" TBG, SET PKR @ 5691' TST TO 5000# OK, RLS PKR & RESET @5530', FILL TBG W/8 BBLS 2% KCL, 3600# BRK @ 1 BPM, INJ RATE 3 BPM @ 2000# W/10 BBLS 2% KCL, ISIP 800#, SWI, SDFD. (DAY 11) TC: \$66,292

8/14/99

FLOW BCK AFTER FRAC SICP 450#, SITP 0#, RU DOWELL & FRAC WAS PERF'S W/20/40 SAND, 2# CLEAR FRAC & 20% NITROGEN, WAS PERF'S, 5660', 5670', 6000# BRK @ 8 BPM, ISIP 1150#, MP 6244#, AP 2806#, MR 8.3 BPM, AR 6.3 BPM, ISIP 2015#, TTL LOAD 237 BBLS, SAND 25440#, RESIN COAT 4200#, RD DOWELL, FLOW BACK. FLOW 5 1/2 HRS. TBG PRESS. 1800# TO 600#, CH 12/64 TO 14/64, 114 BBLS WTR. TRACE SAND. TURN OVER TO FLOW BACK CREW. (DAY 12) TC: \$89,989

FLOW BACK REPORT - FLOW 15 HRS. 360# TO 590# CSG PRESS. 480# TO 40# TBG PRESS. CHOKE 14/64 TO 18/64. TOTAL WTR REC - 29 BBLS, TRACE TO CLEAN SAND.

8/15/99

WELL SHUT IN FOR BUILD UP SICP 590 # FTP 50#, REC 1 BBL BLOW WELL DN. ND FRAC VALVE. POOR NEW ROPE SOCKET & REFRAG LINE. RU & SWAB IFL-5300 TO 5498 SN MADE 1 RUN REC - 1 BBL WAIT 1 HR. SWAB IFL - 5300 TO 5498 SN MADE 1 RUN REC 1 - BBL WAIT 1 HR. SWAB IFL 5498 SN MADE 1 RUN REC 0 BBL. SDFD W/RIG CREW & LEAVE WELL FLOWING. FLOW WELL ON 18/64 CH SICP-700 PSI FTP-25 PSI. DRY GAS SHUT WELL IN FOR BUILD UP. FLOW & SWAB WELL F/11 HRS REC 3 BBL.

13)TC: \$91,768

8/17/99

FRAC WASATCH PERF'S 5418'-5429' SICP=800 PSI, SITP=1700 SPI. BLOW WELL DN. RU SWAC EQUIP. RIH, TAG FL @ 5300', PULL F/SN @ 5498' REC 1 BBL WTR. RD SWAB EQUIP. PMP 15 BBL 2% KCL DN TBG. RLS 4 1/2" HD PKR @ 5530'. POOH W/TOOL'S MIRU CUTTERS WLS RIH & SET 4 1/2" H-S CBP @ 5444'. RDMO RIH 4 1/2" HD PACKER SET PKR @ 5541'. TEST CBP 5000 PSI. OK RLS PKR, PUH & SET PKR @ 5379'. BRK DWN WASATCH PERF'S 5418'-5429'. BRK @ 1950 PSI 1 BPM. INJ 25 BBL 2% KCL 2 13 BPM @ 1200 PSI. ISIP=640 PSI. SWI, SDFD. (DAY 14) TC: \$96,898

8/18/99

SAND FRAC. SICP - 200#. SITP - 0#. MIRU TO FRAC WASATCH PERFS F/5,418' TO 5,429', 44 HOLES. 4 1/2" CBP @ 5,444', 4 1/2" HD PKR @ 5,379'. FILL TBG W/ 5 BBBLS 2% KCL. PERFS BROKE @ 2,414#. PUMP 1,200 GALS 2% KCL. ISIP - 1,600#. PUMP 1,300 GALS 2% KCL W/12.4 MSCF N2 @ 2,250# @ 8 BPM. (6.5 WTR, 1.5 N2). PUMP 1,200 GALS HCL W/3,001# 20/40 J-SAND, 7.5 MSCF N2 @ 2,100# @ 8 BPM. PUMP 1,200 GALS HCL W/4,500# 20/40 J-SAND, 7.5 MSCF N2 @ 2,100# @ 8 BPM. PUMP 2,800 GALS 2% HCL W/14,000# 20/40 J-SAND, 17.4 MSCF N2 @ 2,100# @ 8 BPM. PUMP 800 GALS 2% HCL W/4,000# 20/40 CR-4000 PROPPANT , 5.0 MSCF N2 @ 2,160# @ 8 BPM. PUMP 21 BBLS 4% KCL TO FLUSH @ 2,600# @ 8 BPM. ISIP - 1,550#. TOTAL LOAD - 202 BBLS. SITP - 1,350#. FLOW TO TANK ON 12/64 CK. SICP - 225# TO 200#, FTP - 1,025 TO 325#. FLOW 4 HRS, REC 110 BBLS, ALL FRAC FLUID. TURN OVER TO FLOW BACK CREW. SDFD. (DAY 15)

**FLOW BACK REPORT**: CP - 260# TO 300#, TP - 320# TO 100#. 14/64 CK TO 22/64 CK. FLOWED 43 BBLS W/TRACE OF SAND. EST RATE - 110 MCFD. LLTR: 49 BBLS.

8/19/99

CO CBP'S. SICP - 400#, FTP - 100#, 16/64 CK. BLOW WELL DWN. PUMP 10 BBLS 2% KCL DWN TBG. RLS 4 1/2" HD PKR @ 5,379'. POOH & LD 169 JTS 2 3/8" N-80 TBG & HD PKR. PUMP 30 BBLS 2% KCL DWN CSG. PU 3 7/8" MILL TOOTH BIT, BIT SUB, 1 JT 2 3/8" TBG, +45 SN, & RIH PU 2 3/8" J-55 TBG. TAG SAND @ 5,248' W/ 172 JTS 2 3/8" TBG. LD 2 JTS. RU SWIVEL. SWI, SDFD. EOT - 5,350'.

8/20/99

(DAY 16) TC:\$127,795

SWAB SICP=850 PSI, SITP=750 PSI. RU WEATHERFORD AIR FOAM UNIT. EOT @
5350'. BRK CIRC. PU 2 JTS TBG, TAG SAND @ 5428' C/O TO 5444' (16'). DRILL OUT 4
1/2" CBP @ 5444', CIRC BTM'S UP. 150# INCREASE RIH, TAG SAND @ 5700', C/O TO
5720'. (20') DRILL OUT CBP @ 5720'. CIRC BTM'S UP. 200 PSI INCREASE RIH W/51 JTS
2 3/8" J-55 TBG. TAG SAND @ 7383' C/O TO 4 1/2" CIBP @ 7410'. (27') CIRC WELL
CLEAN. PMP DN TBG W/30 BBL 2% KCL. RD SWIVEL. POOH W 3 7/8" SMITH MILL
TOOTHBIT. RIH W/N-C, 1 JT 2 3/8" TBG, +45 SC, & 228 JTS, 2 3/8" J-55 TBG. EOT @
7212.97', SN @ 7179.80'. LUBRICATE & LAND TBG. RD 2 3/8" TBG EQUIP, NDBOP,
NUWH. PRESSURE UP ON CSG W/WEATHERFORD AIR FOAM UNIT. CSG=700#,
TBG=0#. SWI, SDFD. BUILD PRESSURE. (DAY 17) TC: \$134,501

SCHEMATIC: MIRU POOH W/5 RBP'S, SET CIBP @ 7410, PERF WASATCH 5660-5670 10'z, 40 HLS, 5418-5429 11'z, 44HLS. RD RIG. MIRU DOWELL COIL TBG UNIT, TEST TOOLS FAILED. RDMO MIRU RIG. SAND FRAC STG #4 & #5 W/DOWELL. FLOW TEST. POP RDMO. [WASATCH & MESA VERDA PERFS: STG # 1 7316-7389-7436-7454-7538-7559-7579 7 ZONES. 14HLS. STG #2 5995-6106-6149-6200-6246-6406-7020 7 ZONES, 14 HLS. STG #3 4758-4866-5302-5314-5457-5666 6 ZONES, 12 HLS. STG #4 5660-5670 10' ZONES, 40 HLS. STG #5, 5418-5429 11' ZONES, 44 HLS.]

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8/21/99	SWAB. SICP - 1,000#. SITP - 250#. BLOW DWN TBG. RU & SWAB. IFL- 3,600'. MADE 5 RUNS, REC 22 BBLS. ON RUN 6, PRESSURE BLEW TOOL UP HOLE & PARTED SAND LINE. RE-HEAD SAND LINE & RIH & TAG FISH @ 45'. RIH W/1 3/4" SPEAR. POOH. NO TOOLS. ND WH, NU BOP'S. RU FLOOR & TBG EQUIP. PU & LD HANGER. POOH W/2 3/8" TBG. RETR SWABBING TOOLS FROM SN. RIH W/2 3/8" TBG. PU HANGER & LAND W/229 JTS 2 3/8" TBG. EOT - 7,213'. SN @ 7,180'. RD FLOOR & TBG EQUIP. ND BOP'S, NU WH. SWIFN. (DAY 18) TC:\$137,875
8/22/99	SWAB. SICP - 1,000#, SITP - 250#. MIRU SWAB. IFL - 3,200'. MADE 10 RUNS, REC 32 BBLS. WELL STARTED FLOWING. FLOW WELL ON 20/64 CK. SICP - 800# TO 675#, FTP - 120# TO 450#. REC 20 BBLS. LEAVE WELL FLOWING TO TANK.  (DAY 19) TC:\$140,763
	FLOW BACK REPORT - CP - 640# TO 560#. TP - 420# TO 360#. 20/64 CK. REC 69 BBLS. EST 500 MCFD. 421 BBLS OVER LOAD RECOVERED.
8/23/99	FLWG 500 MCFPD, 65 BW, FTP: 309#, CP: 583#, 32/64 CK, LP: 107#, 21.5 HRS.
8/24/99	FLWG 487 MCFPD, 97 BW, FTP: 132#, CP: 455#, 32/64 CK, LP: 104#, 24 HRS.
8/25/99	FLWG 452 MCFPD, 100 BW, FTP: 113#, CP: 438#, 48/64 CK, LP: 103#, 24 HRS.
8/25/99	FINAL REPORT. PRIOR PROD: 245 MCF, 12 BW, FTP: 84#, CP: 374#, 48/64 CK, LP:73#.

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# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

DIVISION OF OIL, GAS A	ND MINING	'	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REP	ORTS ON WELLS	3	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells drill horizontal laterals. Use APPLICATION FOR PERMIT T	below current bollom-hole depth, re		7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL	THER		8. WELL NAME and NUMBER:
OIL WELL GAS WELL OT			Exhibit "A"  9. API NUMBER:
NAME OF OPERATOR:	Cae Company		9. API NUMBER:
El Paso Production Oil & C		ONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
South 1200 East CHY Vernal STATE Ut	tah zie 84078 43	35-789-4433	
LOCATION OF WELL			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			STATE: UTAH
. CHECK APPROPRIATE BOXES TO IN			RT, OR OTHER DATA
TYPE OF SUBMISSION		E OF ACTION	
NOTICE OF INTENT	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Dupficate) ALTER CASING	FRACTURE TRE	EAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRU	UCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS	OPERATOR CH	ANGE	TUBING REPAIR
CHANGE TUBING	PLUG AND ABA	NDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS	PRODUCTION (	START/RESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORM	MATIONS RECLAMATION	OF WELL.SITE	X OTHER: Name Change
CONVERT WELL TYPE	RECOMPLETE	- DIFFERENT FORMATION	
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly s	show all pertinent details include	ling dates, depths, volume	es, etc.
As a result of the merger between			
subsidary of El Paso Energy Corpor			
has been changed to El Paso Produc	ction Oil & Gas	Company effec	ctive March 9, 2001.
s	See Exhibit "A"		
Bond # 400JU0708			
Coastal Oil & Gas Corpor	ration		
AME (PLEASE PRINT John T Elzner	TITLE	Vice Presid	ent
		06-15-01	
GNATURE	DATE .	00-13-01	
El Paso Production Oil	& Gas Company	The second state of the second	
John T Rlaner	TITLE	Vice Presid	ent
NAME (PLEASE PRINT)			
SIGNATURE	DATE	06-15-01	
his space for State use only)			RECEIVEL

JUN 19 2001

## State of Delaware

## Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.



UIN . 2008

DIVISION OF DIL. GAS AND MINING



Warriet Smith Windson, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

E. Roark, Assistant Secretary

COASTAL OIL & GAS CORPORATION

David L. Siddal Vice President

Attest:

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

IUN 19 2001



## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

## RECEIVED

JUL 1 2 2001

DIVISION OF OIL, GAS AND MINING

in Reply Refer To: 3106 UTSL-065841 (UT-924)

JUL 1 0 2001 -

#### NOTICE

El Paso Production Oil & Gas Company

Oil and Gas

Nine Greenway Plaza

Houston TX 77046-0095

## Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Coastal Oil & Gas Corporation</u> into <u>El Paso Production Oil & Gas Company</u> with <u>El Paso Production Oil & Gas Company</u> being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entitities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.

Opolonia L. Abeyta Acting Chief, Branch of Minerals Adjudication

#### Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office

Vernal Field Office

MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217

State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114

Teresa Thompson (UT-922)

Joe Incardine (UT-921)

## **Exhibit of Leases**

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

## **OPERATOR CHANGE WORKSHEET**

### ROUTING

608186-0143

ROUILIO						
1. GLH	4-KAS					
2. CDW <sub>3</sub> /	5-LP V					
3. JLT	6-FILE					

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Is the new operator registered in the State of Utah:

X Merger

FROM: (Old Operator):		<b>TO:</b> ( Ne	w Operator):			
COASTAL OIL & GAS CORPORATION		EL PASO PRODUCTION OIL & GAS COMPANY			PANY	
Address: 9 GREENWAY PLAZA STE 2721	· · · · · · · · · · · · · · · · · · ·		9 GREENWA			
HOUSTON, TX 77046-0995		HOUSTO	N, TX 77046-0	0995		
Phone: 1-(713)-418-4635	Phone: 1-(832)-676-4721					
Account N0230		Account N1845				
	CA No.	Unit:	NATURAL I	BUTTES		
WELL(S)						
	API		SEC TWN	LEASE	WELL	WELL
NAME	NO	NO	RNG	TYPE	TYPE	STATUS
NBU CIGE 4-9-10-21	43-047-30334	2900	09-10S-21E	FEDERAL		P
NBU CIGE 76D-9-10-21P	43-047-30955	2900	09-10S-21E	FEDERAL		P
NBU 206-9	43-047-31165	2900	09-10S-21E	FEDERAL		P
CIGE 101D-9-10-21	43-047-31736	2900	09-10S-21E	FEDERAL		P
302-9E	43-047-32010	2900	09-10S-21E	FEDERAL		P
CIGE 150-9-10-21	43-047-32058	2900	09-10S-21E	FEDERAL		P
CIGE 227-9-10-21	43-047-32998	2900	09-10S-21E	FEDERAL		P
NBU 431-9E	43-047-33069	2900	09-10S-21E	FEDERAL		S
CIGE 254	43-047-33723	2900	09-10S-21E	FEDERAL		P
NBU CIGE 57-10-10-21	43-047-30543	2900	10-10S-21E	FEDERAL	-	P
NBU CIGE 77D-10-10-21P	43-047-30956	2900	10-10S-21E	FEDERAL		P
NBU 115	43-047-31929	2900	10-10S-21E	FEDERAL		P
CIGE 139-10-10-21	43-047-31986	2900	10-10S-21E	FEDERAL		P
CIGE 151-10-10-21	43-047-32059	2900	10-10S-21E	FEDERAL		P
NBU 266	43-047-32941	2900	10-10S-21E	FEDERAL		P
NBU 267	43-047-32942	2900	10-10S-21E	FEDERAL		P
NBU 332	43-047-33640	2900	10-10S-21E	FEDERAL		P
NBU 366	43-047-33729	2900	10-10S-21E	FEDERAL		DRL
NBU 268 (CA NW-127)	43-047-33001	2900	11-10S-21E	FEDERAL	<del></del>	P
NBU 215 (CA NW-127)	43-047-32471	2900	12-10S-21E	FEDERAL	IGW	P
OPERATOR CHANGES DOCUMENTA	ATION					
1. (R649-8-10) Sundry or legal documentation was	received from the FORM	ER operato	r on:	06/19/2001		

YES

Business Number:

5.	If NO, the operator was contacted contacted on:  N/A						
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on:  07/10/2001						
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001						
8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on:  07/10/2001						
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A						
D	ATA ENTRY:						
1.	Changes entered in the Oil and Gas Database on:  08/06/2001						
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 08/06/2001						
3.	Bond information entered in RBDMS on: N/A						
4.	Fee wells attached to bond in RBDMS on:  N/A						
S	TATE BOND VERIFICATION:						
1.	State well(s) covered by Bond No.:  N/A						
	EDERAL BOND VERIFICATION: Federal well(s) covered by Bond No.:  WY 2793						
F	EE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:						
1.	(R649-3-1) The NEW operator of any fee well(s) listed covered by Bond No:  N/A						
2.	The <b>FORMER</b> operator has requested a release of liability from their bond on:  N/A  The Division sent response by letter on:  N/A						
3. (R649-2-10) The <b>FORMER</b> operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:							
	LMING: All attachments to this form have been MICROFILMED on:						
FILING:  1. ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:							
COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso							
Production Oil and Gas Company shall be retained in the "Operator Change File".							

, \*

JAN. 17. 2003 3:34PM

PLOTPORT

NO. 173 P. 2



## WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventmenth Street #2300 Deriver Colorado 80202-4436 Telephone: 303 573 5404 Faxt: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE:

BLM Bond CO-1203

BLM Nationwide Bond 158626364 Surety - Continental Casualty Company

Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.

Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.

Assumption Rider - Westport Oil and Gas Company, L.P.

#### Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.

Copies of Belco Energy Corporation merger into Westport Oll and Gas Company, Inc.

Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas

Company, L.P.

List of all Federal/BIA/State Leases - Beloo/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,

Westport Oil and Gas Company, L.P.

Black

Debby J. Black

Engineer Technicien

Encl:



## United States Department of the Interior RECEIVED

### **BUREAU OF LAND MANAGEMENT**

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL. GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

### **NOTICE**

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

Denver Colorado 80215-7093

:

## Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Westport Oil and Gas Company</u>, Inc. into <u>Westport Oil and Gas Company</u>, L.P. with <u>Westport Oil and Gas Company</u>, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

> Robert Lopez Chief, Branch of Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

#### UNITED STATES GOVERNMENT

## memorandum

Uintah & Ouray Agency

. 0

Date:

5 December, 2002

Reply to

Supervisory Petroleum Engineer Attn of:

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. leades H Cameron

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director

chrono



## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240
FEB 1 0 2003

Carroll A. Wilson Principal Landman Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

ACTING

Director, Office of Trust Responsibilities

**Enclosure** 



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

February 27, 2003

Westport Oil and Gas Company, L.P. Attn: Gary D. Williamson 1670 Broadway, Suite 2800 Denver, Colorado 80202

Re:

Natural Buttes Unit

Uintah County, Utah

#### Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### **Enclosure**

bcc: Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Natural Buttes Unit (w/enclosure)

Agr. Sec. Chron

Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 2 8 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING				5. LEA	5. LEASE DESIGNATION AND SERIAL NUMBER:		
SUNDRY NOTICES AND REPORTS ON WELLS				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.				7. UNIT or CA AGREEMENT NAME:			
1. T	OIL WELL	GAS WELL OTHER_			8. WELL NAME and NUMBER: Exhibit "A"		
2. N	AME OF OPERATOR:					NUMBER:	
2 4	El Paso DDRESS OF OPERATOR:	Production Oil & Gas Company	<u>'                                     </u>	PHONE NUMBER:	10 515	ELD AND POOL, OR WILDCAT:	
		Houston STATE TX	770	64-0995 (832) 676-5933	10. 716	ELD AND FOOL, OR WILDCAT:	
4. L	OCATION OF WELL				-		
F	DOTAGES AT SURFACE:				COUN	ΓY:	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					STATE: UTAH		
11.	CHECK APPR	ROPRIATE BOXES TO INDICAT	ΓEΝ	ATURE OF NOTICE, REPO	RT, O	R OTHER DATA	
	TYPE OF SUBMISSION			TYPE OF ACTION			
	NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION	
	(Submit in Duplicate)	ALTER CASING		FRACTURE TREAT		SIDETRACK TO REPAIR WELL	
	Approximate date work will start:	CASING REPAIR		NEW CONSTRUCTION		TEMPORARILY ABANDON	
		CHANGE TO PREVIOUS PLANS		OPERATOR CHANGE		TUBING REPAIR	
	ALIBOROUS NT OFFICET	CHANGE TUBING		PLUG AND ABANDON	닏	VENT OR FLARE	
ш	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME		PLUG BACK		WATER DISPOSAL .	
	Date of work completion:	CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS		PRODUCTION (START/RESUME)  RECLAMATION OF WELL SITE		WATER SHUT-OFF	
		CONVERT WELL TYPE		RECOMPLETE - DIFFERENT FORMATION	ш	OTHER:	
12.	DESCRIPE PROPOSED OR CO		oodine		es etc		
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.							
	BOND #						
State Surety Bond No. RLB0005236 Fee Bond No. RLB0005238  RECEIVED							
EL PASO PRODUCTION OIL & GAS COMPANY				ī	FEB 2 8 2003		
					DIV. C	OF OIL. GAS & MINING	
	Jon R Melsen, Atto	rney-in-Fact					
	WESTPORT OIL AND GAS COMPANY, L.P.  David R. Dix  TITLE Agent and Attorney-in-Fact						
(11/1/10)							
SIG	SIGNATURE DATEDATE						

(This space for State use only)

				MAR U 4 2003
14. I hereby certify that the foregoing is sue and correct Name (Printed/Typed) CHERYL CAMERON Speature	Dat	ERATIONS	DIV.	OF OTE, CAS & MINUNIC
THIS 8	PACE FOR F	EDERAL OR STATE	USE	
Apploted by		Title	Date	
Conditions of approval, if any, are attached Approval of this notice doesn't, that the applicant holds legal or equitable title to those rights in a which would entitle the applicant to conduct operations thereon.	the subject lease			
Title 18 U.S.C. Section 1001, make it a crime for any person false, fictitious or fraudulent statements or representations as (Instructions on reverse)	n knowingly as to any matter w	nd willfully to make to rithin its jurisdiction.	any department or agency of th	: United States any
•				

### **OPERATOR CHANGE WORKSHEET**

ROU	TING

## X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below	nas cnanged, effective:	12-17-02				
FROM: (Old Operator):		<b>TO:</b> ( New O				
EL PASO PRODUCTION OIL & GAS COMPA		COMPANY	LP			
Address: 9 GREENWAY PLAZA		Address: P O I	3OX 1148			
HOUSTON, TX 77064-0995		VERNAL, UT	84078			
Phone: 1-(832)-676-5933		Phone: 1-(435)		·		
Account No. N1845		Account No.				
	CA No.	Unit:	NATURA	L BUTTES		
WELL(S)						
	SEC TWN	API NO	ENTITY	LEASE	1	1
NAME	RNG		NO	TYPE	TYPE	STATUS
NBU 302-9E	09-10S-21	E 43-047-32010	2900	FEDERAL	GW	P
CIGE 101D-9-10-21	09-10S-21	E 43-047-31736	2900	FEDERAL		P
NBU CIGE 76D-9-10-21P	09-10S-21	E 43-047-30955	2900	FEDERAL	GW	P
NBU 206-9J	09-10S-21	E 43-047-31165	2900	FEDERAL	GW	S
NBU CIGE 4-9-10-21	09-10S-21	E 43-047-30334	2900	FEDERAL	GW	P
NBU 7-9B	09-10S-21	E 43-047-30278	2900	FEDERAL	GW	P
CIGE 286	09-10S-21	E 43-047-34797	99999	FEDERAL	GW	APD
CIGE 287	09-10S-21	E 43-047-34798	99999	FEDERAL	GW	APD
NBU CIGE 57-10-10-21	10-10S-21	E 43-047-30543	2900	FEDERAL	GW	P
NBU CIGE 77D-10-10-21P	10-10S-21	E 43-047-30956	2900	FEDERAL	GW	P
NBU 115	10-10S-21	E 43-047-31929	2900	FEDERAL	GW	P
CIGE 151-10-10-21	10-10S-21	E 43-047-32059	2900	FEDERAL	GW	P
CIGE 139-10-10-21	10-10S-21	E 43-047-31986	2900	FEDERAL	GW	P
NBU 266	10-10S-21	E 43-047-32941	2900	FEDERAL	GW	P
NBU 267	10-10S-21	E 43-047-32942	2900	FEDERAL	GW	P
NBU 332	10-10S-21	E 43-047-33640	2900	FEDERAL	GW	P
NBU 366	10-10S-21	E 43-047-33729	2900	FEDERAL	GW	PA
NBU 179	10-10S-21	E 43-047-32145	2900	FEDERAL	GW	PA
NBU 29	11-10S-21	E 43-047-30302	2900	FEDERAL	GW	PA
NBU 29	11 100 21	E 43-047-33001	2900	FEDERAL	GW	P

(R649-8-10) Sundry or legal documentation was received from the NEW operator on:

The new company has been checked through the Department of Commerce, Division of Corporations Database on:

Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181

If NO, the operator was contacted contacted on:

6. (	R649-9-2)Waste Management Plan has been received on: IN PLACE
7.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change,
	or operator change for all wells listed on Federal or Indian leases on: <u>BLM-12/31/2003</u> <u>BIA-12/5/02</u>
8.	Federal and Indian Units:
	The BLM or BIA has approved the successor of unit operator for wells listed on:  02/27/2003
9.	Federal and Indian Communization Agreements ("CA"):
	The BLM or BIA has approved the operator for all wells listed within a CA on:  N/A
10	· · ·
	for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A
D	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on: 03/19/2003
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/19/2003
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on:  N/A
<b>S</b> 7	TATE WELL(S) BOND VERIFICATION:
1.	State well(s) covered by Bond Number:  RLB 0005236
FI	EDERAL WELL(S) BOND VERIFICATION:
1.	Federal well(s) covered by Bond Number: 158626364
IN	DIAN WELL(S) BOND VERIFICATION:
1.	Indian well(s) covered by Bond Number:  RLB 0005239
	EE WELL(S) BOND VERIFICATION:
1.	(R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB 0005238
	The FORMER operator has requested a release of liability from their bond on:  N/A
	The Division sent response by letter on:  N/A
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division
3.	of their responsibility to notify all interest owners of this change on:  N/A
CC	DMMENTS:

4,

Form 3160-5 (August 1999)

## ") STATES DEPARTMENT OF THE INTERIOR

# **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

SUBMIT IN TRIPLICATE - Other instructions on reverse side

891008900A

OMB No. 1004-0135 Expires Jnovember 30, 2000

FORM APPROVED

5.	Lease	Serial	No.

A1	4i	1-	٠,		v		. 1				attach
MILL	חוד	16	٠,	M	и	r-	м	œ	_	222	コロコヘカ

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well Oil Well Gas Well	Other			8. Well Name	and No.			
2. Name of Operator WESTPORT OIL & GAS COM	Multiple We 9. API Well N	lls - see attached						
3a. Address P.O. BOX 1148 VERNAL, UT	84078	3b. Phone No. (include (435) 781-	area code)	Multiple Wells - see attached  10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec., T., Multiple Wells - see attached			Natural Butt 11. County or P					
<u>.</u>				Uintah Cour	nty, UT			
12. CHECK A	APPROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, RE	PORT, OR OT	HER DATA			
TYPE OF SUBMISSION		TY	PE OF ACTION					
Notice of Intent  Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production ( Reclamation Recomplete		Water Shut-Off Well Integrity Other			
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Water Dispo					
13. Describe Proposed or Completed Open If the proposal is to deepen directions								

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped.

Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has

The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing

and maintaining the valves and other devices that hold the positive tank press	ure. An economic run based on the loss and costs is a	attached.
Westport Oil & gas requests approval of this variance in order to increase the	value of the well to the operator and the mineral royalt	y owners.
14. I hereby certify that the foregoing is true and correct	1	
Name (Printed/Typed)  J.T. Conley  COPY SENT TO OPERATOR  Date: 9-16-9-3	Operations Manager	SEP 1 0 2003
Signature Linition CHO Date	9-2-2003	IV. OF OIL GAS & MISHES
THIS SPACE FOR F	EDERAL OR STATE USE by the	- A Of This
Approved by	Utah Division of Date	Action is Necessary
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Oil, Gas and Muning Date: 9/16/03	
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly at false, fictitious or fraudulent statements or representations as to any matter v	nd grillfully to make to any department of agency of within its jurisdiction.	the United States any

determined that the site is ready for final inspection.

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NBU 260	28-9-21 SENE	U05676	891008900A	430473300900S1
NBU 261	30-9 - SENW	UTU0581	89100890^^	430473292800S1 V
NBU 262	33-9 NENE	UTU0576	89,100890	430473292900S1
NBU 263	34-9-21 SENW	U01194	891008900A	430473279300S1 V
NBU 264	1-10-21 SESW	U02842B	891008900A	430473300000S1
NBU 265	2-10-21 NESE	ML13826	891008900A	430473279600S1 🗸
NBU 266	10-10-21 SWNW	UTU0149079	891008900A	430473294100S1
NBU 267	10-10-21 NESW	UTU01416A	891008900A	430473294200S1 430473300100S1
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NBU 271	24-10-20 SWNW	UTU4485	891008900A	
NBU 272	11-10-22 SWNE	U01197A	891008900A	430473288900S1 ✓
NBU 273	22-9-21 NWNW	UTU0147566	891008900A	430473290600S1
NBU 274	23-9-21 NESW	UTU149075	891008900A	430473290700S1
NBU 275	9-9-21 NWSW	UTU01188	891008900A	430473290500S1
NBU 277	19-9-22 SENE	UTU0284	891008900A	430473304200S1
NBU 278	30-9-22 SWSW	U463	891008900A	430473301100S1
NBU 280	31-9-22 NESW	ML22935A	891008900A 891008900A	430473286500S1 ✓ 430473286600S1 ✓
NBU 281	32-9-22 SWSW	ML22649	891008900A	430473286700S1
NBU 282	32-9-22 NESE	ML22649 UTU01191	891008900A	430473297600S1
NBU 285	3-10-22 NWNW	UTU01191	891008900A	430473298400S1
NBU 286	3-10-22 SENW	UTÛ01191A	891008900A	430473298500S1
NBU 287	3-10-22 NESE		891008900A	430473298600S1
NBU 288	3-10-22 NWSW	UTU01191 UTU01191	891008900A	430473291000S1
NBU 289	3-10-22 SESW		891008900A	430473298700S1
NBU 290	3-10-22 SWSE	UTU01191A	891008900A	430473291100S1
NBU 291	9-10-22 NENE	UTU01196D UTU1196D	891008900A	43047329110031 430473347400S1
NBU 292	9-10-22 SWNE		891008900A	430473318200S1
NBU 293	10-10-22 SENE	UTU025187	891008900A	430473316200S1
NBU 294X	22-9-20 NENW 12-10-20 SWSW	UTU0577B UTU4478	891008900A	430473293900S1
NBU 295		UTU4485	891008900A	430473288600S1
NBU 296	24-10-20 NWNE 11-9-21 SWNW	UTU0141315	891008900A	43047320000051
NBU 297 NBU 298	15-9-21 NESW	UTU01188	891008900A	430473304100S1
NBU 299	16-9-21 SWNE	ML3282	891008900A	430473301200S1
NBU 300	21-9-21 NWNW	UTU0576	891008900A	430473302300S1
NBU 301	25-9-21 NWSW	U01194	891008900A	430473285900S1 🗸
NBU 302	26-9-21 SWNW	U01194	891008900A	430473287700S1 V
NBU 303	26-9-21 SESE	ML22934	891008900A	430473287800S1 V
NBU 304	27-9-21 SESE	U01194A	891008900A	430473287900S1 🗸
NBU 305	27-9-21 SWSE	U01194A	891008900A	430473288000S1 🗸
NBU 306	27-9-21 NWNW	U01194A	891008900A	430473286000S1 V
NBU 307	28-9-21 NWNE	U05676	891008900A	430473300700S1
NBU 308	28-9-21 SENW	U05676	891008900A	430473314300S1
NBU 309	30-9-21 NENE	UTU0581	891008900A	430473301000S1
NBU 310	35-9-21 NENW	U01194	891008900A	430473288200S1 🗸
NBU 311	4-10-22 NESE	UTU01191	891008900A	430473283700S1
NBU 312-E2	2-9-21 SWSE	UTU21510	891008900A	430473228800S1 🗸
NBU 313	4-10-22 NENW	UTU01191A	891008900A	430473283800S1
NBU 315	11-9-21 SENE	UTU0141317	891008900A	430473387900S1
NBU 316	11-9-21 SWNE	UTU0141317	891008900A	430473441300S1
NBU 317	13-9-21 NENE	U-01193	891008900A	430473392100S1
NBU 318	13-9-21 SWNE	UTU01193	891008900A	430473388000S1
NBU 320	25-9-21 NWNW	U01189	891008900A	430473320100S1
NBU 321	26-9-21 SWSW	U01194	891008900A	430473320200S1 🗸
NBU 322	34-9-21 SESW	U01994	891008900A	430473320300S1 🗸
NBU 323	30-9-22 NENE	U-463	891008900A	430473405000S1
NBU 326	31-9-22 NESW	ML22935A	891008900A	430473320400S1 /
NBU 327	33-9-22 SWSE	UTU01191	891008900A	430473373500\$1
NBU 329	1-10-21 NESW	UTU02842B	891008900A	430473322700S1
NBU 330	3-10-21 NENE	UTU0149078	891008900A	430473322800S1
NBU 331	3-10-21 NWNE	UTU0149078	891008900A	430473322900S1

ons	is protected t	elow and graph to prevent acc	hed auton idental alt	eration of th	he boti e form	om of ti ulas. See	ne page. 1 JTC for c	inis she	et				
		as annual cost		as unit OPX o	osts for	\$/BF an	d \$/MCF						
Name:	Condensate	Shrinkage Eco	nomics										
is this job a we	ill pull or produc	fion rig job ???  BEFORE	N	(Y or N) AFTER			DIFFEREN	CF					
		\$/Year	_	\$/Year		_	\$/Year						
Gross Oil Re Gross Gas i		\$1,088		\$17	99 \$0	ŀ		11					
NGL Reven		\$			鄞	-		\$0					
PULIING UN			1		<u>~</u>			\$0					
WIRELINE SE			]					\$0					
SUBSURF EG	UIP REPAIRS	<del></del>	4		_	- 1		\$0					
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LEASE FUEL		\$0			\$0			\$0					
UTILITIES - EL CHEMICAL		\$0	4		\$0	[		\$0					
MATERIAL &		\$0	Н	<del></del>	50	ŀ	•	\$0 150					
WATER & H		<del>                                     </del>	┨	<del>  '</del>	-	ł	•	\$0					
ADMINISTR/	ATIVE COSTS		J			ľ		\$0					
GAS PLANT	PROCESSING		ב			[		\$0					
	Totals	\$0	)	· \$	350		\$:	350	increas	ed C	PX Per \	Year	
Investment	Breakdown:			•									
	Cap/Exp Code	C-4 *		Oil Price	[\$	23.00							
Capital \$	820/830/840	Cost, \$	л	Gas Price Electric Co	<sub>251</sub>   \$		\$/MCF \$ / HP / dk	<b>1</b> V					
Expense \$	830/860	. \$0		OPX/BF	<u> </u>	2.00		-,					
Total \$		\$1,200	<u> </u>	OPX/MCF	3	0.62	\$/MCF						
Productio	n & OPX Deta	ni):											
		Before	_	After			Difference						
Oil Producti			BOPD	0.1	94 80		0.0	<b>02</b> 80					
Gas Product Wtr Product			MCFPD BWPD		0 MC	L		0 %					
Horse Powe		<b>├</b> ──	HP		┦╬	~ }		- O H					
Fuel Gas Bu		<del></del>	MCFPD		_	FPD -		<u> </u>					
Project Life:					IPa	voul Ca	lculation:						
	Life =		Years			,							
	(Life n	o longer than 2	20 years)		Pa	yout = _	Sum/C		al Invest		evenue)	_ = 1	
internal Rai	e of Return:						Some	ra v II	ICIOME	ma k	evenue;		
After Tax	IROR -	#DIV/0I	כ		Pa	yout oc	curs when	total .	AT cash	flow e	quals inv	estmen/	t
AT Cum Ca	ahfa		_		Se	e graph	below, no	ote yea	ars whe	n cash	iflow rea	ches ze	го
Operating (		(\$2.917	June Car	nted @ 10%)	l <sub>P</sub>	yout =	NEVE	_	Vacre :	. г	#VALUE	:To	
Operating (		(42,717	Довсоон		Ľ	,001 - L	11272	<u> </u>	16GIS	^ L	TVALUE	- Inda	
Gross Reserve			4 80										
Gas Reserve	-		O MCF										
Gas Equiv R	eserves =	3(	8 MCFE										
ssumptions:													
	NEU well produ	ces 0.192 Scp	d with no t	ank pressure	. The p	roducilo	n is incre	sed to	0.196	Bond	6 ozs o	Dressu	•
are placed	on the tank. The	Increased pro	eduction d	oes not pay	out the	valve c	est or the	estima	ted ann	val m	<u>aintenar</u>	ICO COS	3
<b>L</b>		Protoci	h Candan	anda Shulaka	F						*		
		riojeci	CONGEN	sate Shrinka	Je cco	KOTTIKES				-			
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# Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

## **COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl)	Specific Gravity of Flashed Gas	Separator Volume Factor	Separator Volume Percent
peig	°F	(A)	(Air=1.000)	(B)	(C)
Calculated	at Labora	tory Flash Cond	ition <b>s</b>		
80	70	*	ç <del>o</del>	1.019	
0	122	30.4	0.993	1.033	101.37%
0.4	60	0.0		1.000	98.14%
Calculated	Flash witi	h Backpressure (	using Tuned EOS	5	
80	70			1.015	
6.0 oz	65 <sup>-1</sup>	24.6	0.777	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0		1.000	98.52%

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

<sup>(</sup>A) Cubic Feet of gas at 14.696 peia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2 CDW

## X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:			1/6/2006		
FROM: (Old Operator):	TO: ( New O	erator):			
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-M		Gas Onsho	re, LP	
1368 South 1200 East	1368 S	outh 1200	East		
Vernal, UT 84078	Vernal	, UT 84078	3		
Phone: 1-(435) 781-7024	Phone: 1-(435)	781-7024			
CA No.	Unit:	N	ATURAL I	BUTTES	UNIT
WELL NAME SEC TWN RNG	API NO	ENTITY	LEASE	WELL	WELL
<b>l</b> 9,		NO	TYPE	TYPE	STATUS
OPERATOR CHANGES DOCUMENTATION					
Enter date after each listed item is completed					
1. (R649-8-10) Sundry or legal documentation was received from the	FORMER ope	rator on:	5/10/2000	5	
2. (R649-8-10) Sundry or legal documentation was received from the	NEW operator	on:	5/10/2000	5	
3. The new company was checked on the Department of Commerce	e, Division of Co	orporation	s Database	on:	3/7/2006
4a. Is the new operator registered in the State of Utah: YES	Business Numb	er:	1355743-01	81	
4b. If <b>NO</b> , the operator was contacted contacted on:	_			_	
5a. (R649-9-2)Waste Management Plan has been received on:	IN PLACE				
5b. Inspections of LA PA state/fee well sites complete on:	n/a	3 LA well	s & all PA v	vells tran	sferred
5c. Reports current for Production/Disposition & Sundries on:	ok	•			
6. Federal and Indian Lease Wells: The BLM and or the I	BIA has appro	ved the n	nerger, na	me chan	ge,
or operator change for all wells listed on Federal or Indian leases of	on:	BLM	3/27/2000	BIA	not yet
7. Federal and Indian Units:					
The BLM or BIA has approved the successor of unit operator for	r wells listed on:		3/27/2006		
8. Federal and Indian Communization Agreements ("	CA"):				
The BLM or BIA has approved the operator for all wells listed w			n/a		
	ivision has appro		-	isfer of A	uthority to
Inject, for the enhanced/secondary recovery unit/project for the wa	ater disposal wel	ll(s) listed o	on:		
DATA ENTRY:					
1. Changes entered in the Oil and Gas Database on:	5/15/2006				
2. Changes have been entered on the Monthly Operator Change Sp			5/15/2006	<u>-</u>	
<ul><li>3. Bond information entered in RBDMS on:</li><li>4. Fee/State wells attached to bond in RBDMS on:</li></ul>	5/15/2006	-			
<ul><li>4. Fee/State wells attached to bond in RBDMS on:</li><li>5. Injection Projects to new operator in RBDMS on:</li></ul>	5/16/2006	-			
6. Receipt of Acceptance of Drilling Procedures for APD/New on:	-	n/a	Name Cha	nge Only	
BOND VERIFICATION:					
Federal well(s) covered by Bond Number:	CO1203				
2. Indian well(s) covered by Bond Number:	RLB0005239	-			
3. (R649-3-1) The NEW operator of any fee well(s) listed covered by		-	RLB000523	36	
a. The <b>FORMER</b> operator has requested a release of liability from the	•	n/a	rider adde		
The Division sent response by letter on:			_		
LEASE INTEREST OWNER NOTIFICATION:		-			
4. (R649-2-10) The FORMER operator of the fee wells has been cont	tacted and inform	ned by a let	tter from the	Division	
of their responsibility to notify all interest owners of this change on		5/16/2006			
COMMENTS:					

4 Form 3 160-5 (August 1999)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

					5. Lease Serial No.	
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.				MULTIPLE LEASES		
				6. If Indian, Allottee or Tribe Name		
SUBMIT IN TRIPL	ICATE – Other instruc	tion	s on reverse	side	7. If Unit or CA/Agreemen	nt, Name and/or No.
I. Type of Well						
Oil Well X Gas Well	Other			····	8. Well Name and No.	
2. Name of Operator					MUTIPLE WELL	S
KERR-McGEE OIL & GAS ONSHORE LP					9. API Well No.	
3a. Address 3b. Phone No. (include area code)			L			
4. Location of Well (Footage, Sec.,			781-7024		10. Field and Pool, or Explo	oratory Area
4. Location of Well (Fundinge, Sec.,	1., K., M., or Survey Description	)		].	11 0	
SEE ATTACHED				11. County or Parish, State		
				UINTAH COUNTY, UTAH		
	ROPRIATE BOX(ES) TO IN	DICA	ATE NATURE C	OF NOTICE, RE	EPORT, OR OTHER DAT	ГА
TYPE OF SUBMISSION			TYP	E OF ACTION		
Notice of Intent	Acidize [	<b>D</b>	еереп	Production (	Start/Resume)  Water 5	Shut-Off
Subsequent Report	Alter Casing	=	acture Treat	Reclamation		* ·
Subsequent Report	Casing Repair Change Plans	=	ew Construction ug and Abandon	Recomplete		CHANGE OF
Final Abandonment Notice	Convert to Injection		ug and Abandon ug Back	∏ Temporarily     Water Dispose		ATOR
Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for fin-	operations. If the operation results bandonment Notices shall be filed	ınan	multiple completion :	or recompletion in	a new interval a Form 2160 4	aball ba Cl_ 4
PLEASE BE ADVISED THAT OPERATOR OF THE ATTAC KERR-McGEE OIL & GAS C	CHED WELL LOCATION	18. 1	<b>EFFECTIVE</b> J	ANUARY 6, 2	2006.	RECEIVED
OF THE LEASE(S) FOR THE	E OPERATIONS COND	UCT	ED UPON I F	ASE LANDS	ROND COVERAGE	MAY 1 0 2006
IS PROVIDED BY STATE O	F UTAH NATIONWIDE I	BON	ID NO. RLB00	05237.	ם באינוסט פרוספ. ת	IV OF OIL GAS & MINING
	ONO = C0/203		AP:	PROVEL	51/6/06	IV. OF OIL, GAS & MININO
BIA B	OND = RLB 000	50	239 (	arlene,	Russell	<del></del>
14. I hereby certify that the foregoing	g is true and correct		Divis	<del>ilon of Oll, C</del>	as and Mining	
Name (Printed/Typed)		Tit			ingineering Technicia	u .
RANDY BAYNE		<del> </del>	RILLING MANA	AGER		
Kanky Sayne	\(\lambda \) \(\lambda \)					
	THIS SPACE F	OR F	EDERAL OR ST	ATE USE		
Approved by			Title		Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equit which would entitle the applicant to conduct	table title to those rights in the subject	rant or t lease	Office	248.4		

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

# MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

abandoned well. Use Form 3160-3 (APD) for such proposals.					6. If Indian, Allottee or Tribe Name	
SUBMIT IN TRIPLICATE – Other instructions on reverse side					7. If Unit or	CA/Agreement, Name and/or No.
I. Type of Well					1	
Oil Well X Gas Well	Other .				8. Well Nam	ne and No.
2. Name of Operator		• • • • • • • • • • • • • • • • • • • •			MUTIPL	E WELLS
WESTPORT OIL & GAS CO	MPANY L.P.				9. API Well	No.
3a. Address 3b. Phone No. (include area code)					1	
1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024					10. Field and	Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	on)				
					11. County or	Parish, State
SEE ATTACHED					UINTAH COUNTY, UTAH	
12. CHECK APP	ROPRIATE BOX(ES) TO I	NDICATE NA	TURE OF	NOTICE, R	EPORT, OR (	OTHER DATA
TYPE OF SUBMISSION			TYPE	OF ACTION		
Notice of Intent	Acidize	Deepen		1 Production	(Start/Resume)	Water Shut-Off
_	Alter Casing	Fracture Ti	reat [	Reclamatio		Well Integrity
Subsequent Report	Casing Repair	New Const	-	Recomplete		Other CHANGE OF
Final Abandonment Notice	Change Plans Convert to Injection	Plug and A	bandon _	Temporaril		OPERATOR
13. Describe Proposed or Completed Open	. –	Plug Back	<u> </u>	Water Disp		
Attach the Bond under which the wolfollowing completion of the involved testing has been completed. Final Aldetermined that the site is ready for fin EFFECTIVE JANUARY 6, 20 THE OPERATORSHIP OF TONSHORE LP.	perations. If the operation results and onment Notices shall be filed at inspection.  DO6, WESTPORT OIL & THE ATTACHED WELL	is in a multiple of donly after all re & GAS COM LOCATION	PANY L.I	recompletion in neluding reclas P., HAS RI RR-McGE	n a new interval, nation, have bee ELINQUISH	a Form 3160-4 shall be filed once in completed, and the operator has
	APPR	OVED.	5/16	106	William)a	RECEIVED
	$\mathcal{L}a$	rlane 1	Jusse	U		
Division of Oil, Gas and Mining  Barlene Russell, Engineering Technician					MAY 1 0 2006	
	Latiene F	cussell, Eng	incering 7	lechnician	וכו	V OF OIL GAS & MINING
14. I hereby certify that the foregoing	is true and correct		***************************************		1/1	Y TOUR GAS & MINING
Name (Printed/Typed)		Title				
BRAD LANEY Signature			ERING SE	PECIALIST		
o i gridicar o		Date May 9, 20	006			
	THIS SPACE	FOR FEDERA		TE USE		
Approved by		Title			Date	
Olack January					5-9	-06
Conditions of approval, if any, are attacked certify that the applicant holds legated equit which would entitle the applicant to conduct	able title to those rights in the subj	arrant or Office	e		•	
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent statemer	it a crime for any person know	vingly and will matter within it	fully to make s jurisdiction	e to any depan ı.	rtment or agenc	y of the United States any



# **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700 Denver, CO 80202

Oil & Gas

### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303,239,3768.

/s/Martha L. Maxwell Martha L. Maxwell Land Law Examiner Fluid Minerals Adjudication

#### Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office
Rider #1 to Bond WY2357

Rider #1 to Bond WY2357 Rider #2 to Bond WY1865 Rider #3 to Bond WY1127



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

#### Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

#### Enclosure

Approval letter from BLM COSO (2 pp)

CC:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

MAR 2 8 2006

TOLOFOL, CAO 2 LINE D

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			FORM 9	
			5.LEASE DESIGNATION AND SERIAL NUMBER: U-01190	
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	kisting wells below current APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 268			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS		<b>9. API NUMBER:</b> 43047330010000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0838 FNL 0369 FEL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 11		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION			
	☐ ACIDIZE ☐	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
/	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion: 4/29/2010	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
4/29/2010	☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK	
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION	
Jule of Spaul	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON	
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL	
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:	
	MPLETED OPERATIONS. Clearly show all pertin	ON 4/29/2010. A U Oil	olumes, etc. Accepted by the Itah Division of , Gas and Mining A RECORD ONLY	
NAME (PLEASE PRINT) Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	TITLE Regulatory Analyst		
SIGNATURE		DATE		
N/A		5/3/2010		

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			FORM 9	
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SIGNATURE		DATE		
N/A		5/3/2010		